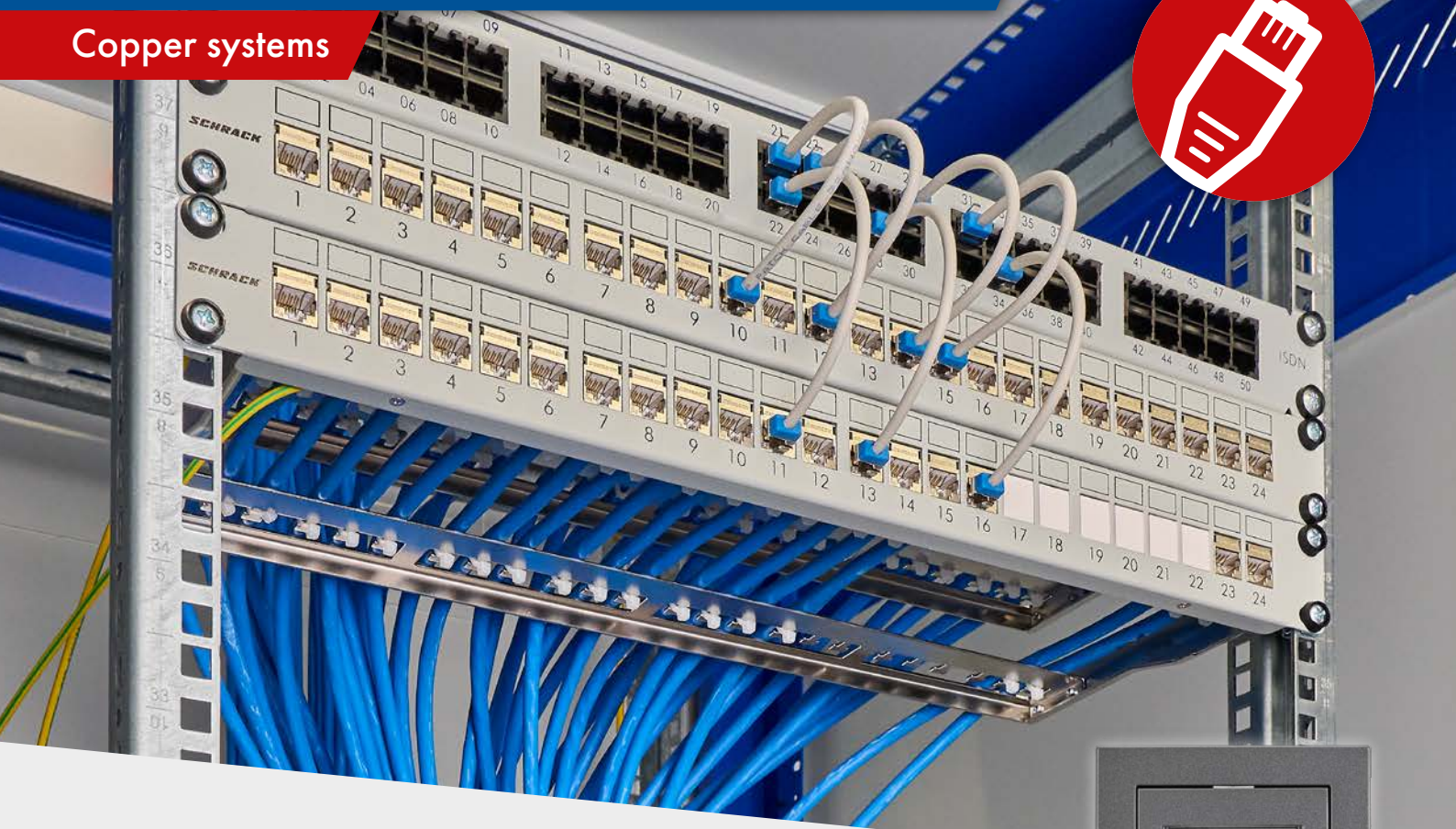
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Network Technology

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Copper systems



- Standards & basics
- Connectors / modules - TOOLLESS LINE / S-JACK
- Network installation cabling / patch cords - Cat.5e to Cat.7_A
- Accessories & measuring instruments



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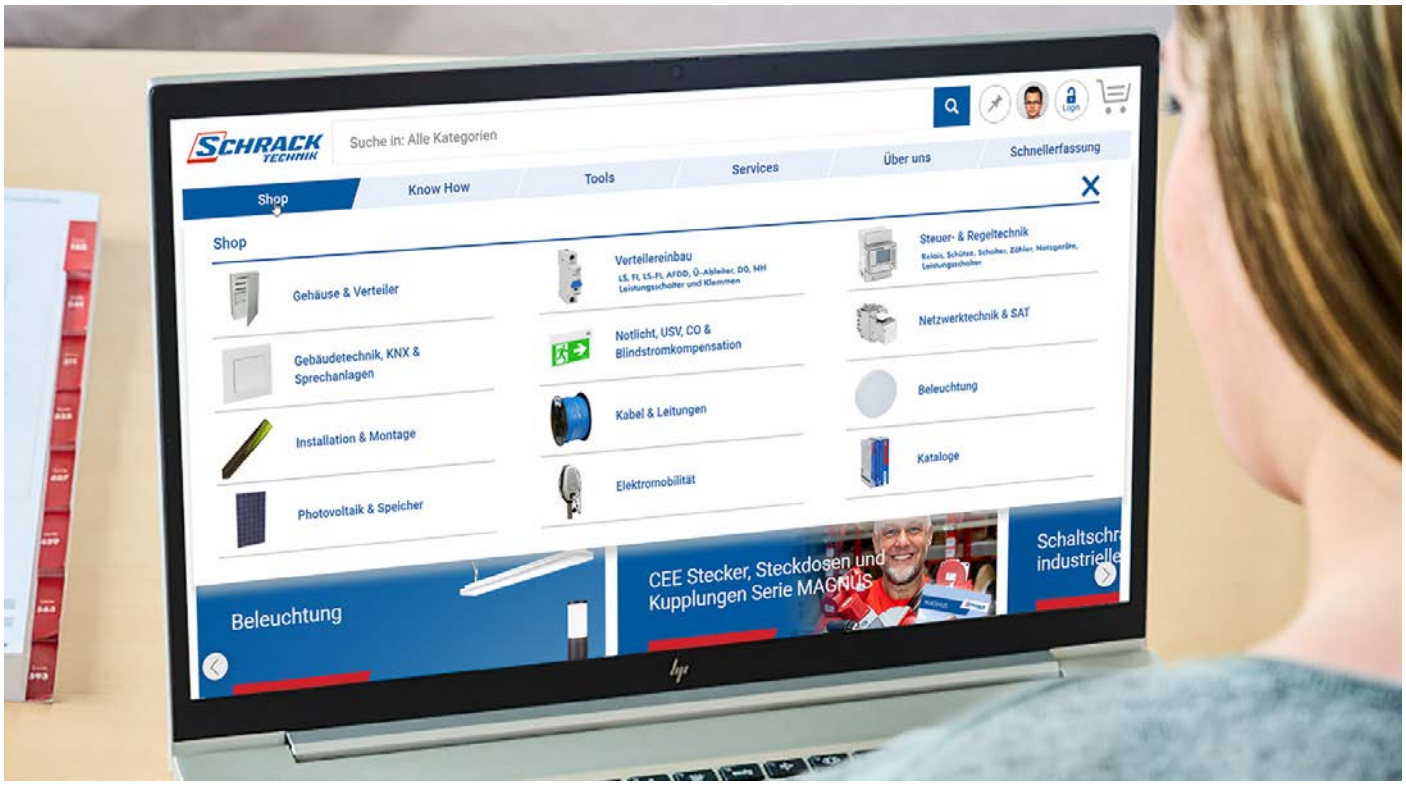
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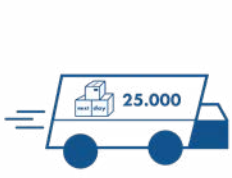
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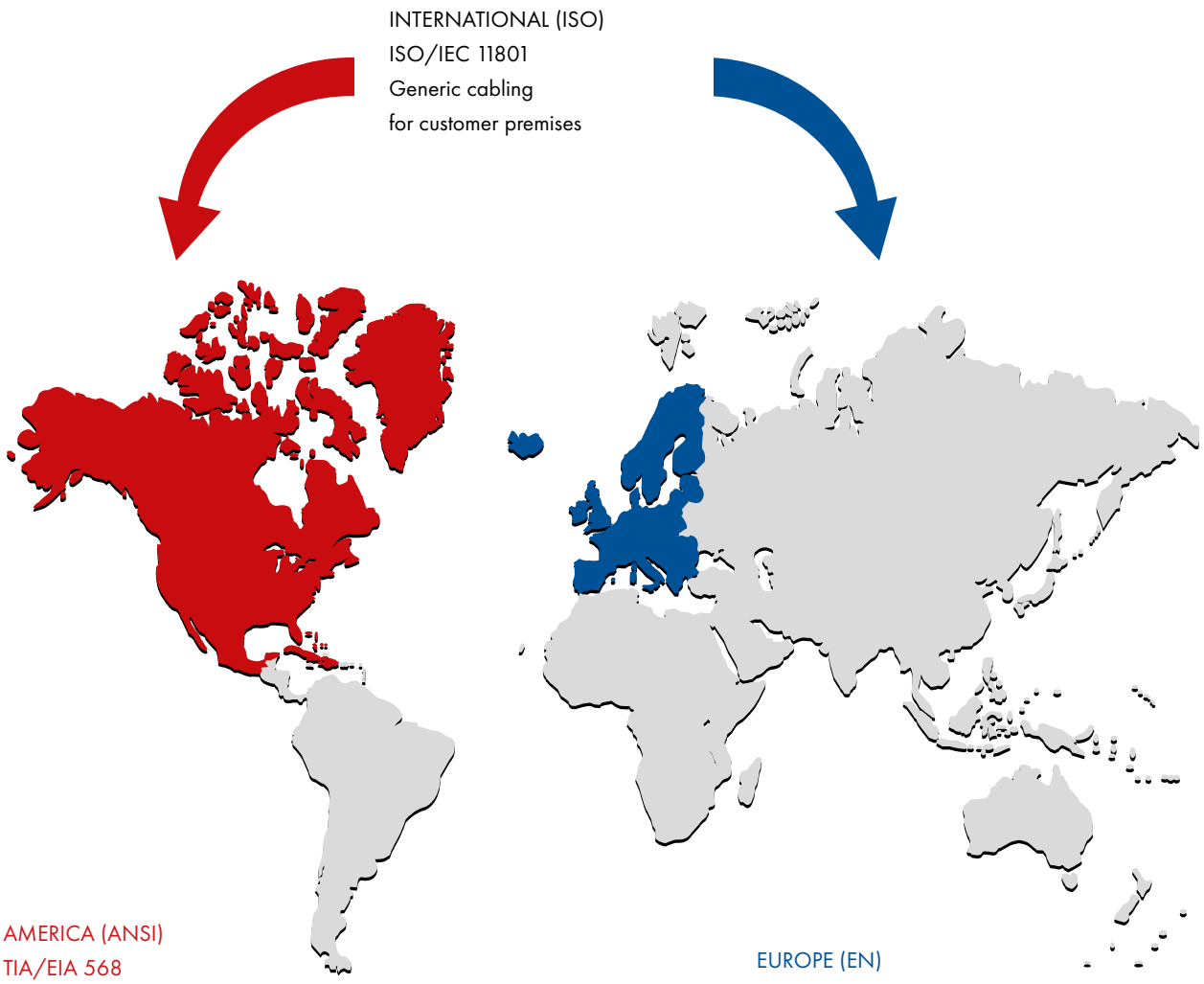
THE RIGHT SOLUTION FOR EVERY APPLICATION!



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STANDARDS FOR GENERIC COMMUNICATION CABLING SYSTEMS – VALIDITY



ISO / IEC 11801

EN 50310

EN 50174-1

EN 50600

EN 50346

EN 50173

STANDARDS AND REGULATIONS

TIA / EIA 568

EN 50290-2-1

EN 50288-12-1

EN 50288-1

EN 50174-2

EUROPE (EN) STANDARDS

The EN 50173 standard specifies the structure and configuration of primary, secondary and tertiary sub-systems of the cabling of a generic cabling system.

EN 50173: Information Technology - Generic Cabling Systems
Part 1: General requirements
Part 2: Office spaces
Part 3: Industrial spaces
Part 4: Homes
Part 5: Data center spaces
Part 6: Distributed building services

The following series of standards represents a comprehensive guideline for the planning, construction and operation of data centres:

EN 50600-x-x: Information technology - Data center facilities and infrastructures

The following standards apply to the installation and testing of a generic cabling system:

In practice, EN 50174 and EN 50346 are the most important regulations and standards for the installation of application-neutral communication cable systems. They describe what to look out for when installing and testing communication cabling.

EN 50174: Information technology - Cabling installation
Part 1: Installation specification and quality assurance
Part 2: Installation planning and practices inside buildings
Part 3: Installation planning and practices outside buildings

EN 50346: Information technology - Cabling installation - Testing of installed cabling

The following regulations and series of standards are crucial for the quality, design and construction of communication cables for information technology applications:

EN 50288-x-x: Generic specification (electrical and mechanical parameters) for installation cables and patch cords, shielded and unshielded
EN 50289-x-x: Specifications for test methods of the individual electrical parameters
EN 50290-x-x: General design and construction rules for e.g. insulation; sheath material, shielding, copper conductors, etc.

The Construction Products Regulation (CPR) (305/2011/EU), which is binding for all EU member countries, specifies, classifies and regulates fire behaviour, constancy of performance and labelling of permanently installed power, control and communication cables in conjunction with EN 50575 and EN 13501-6.

Issues such as EMC, equipotential bonding and earthing are gaining in importance with ever larger limit frequencies and network applications (Ethernet protocols). The relevant regulations standards are:

EN 50310: Telecommunications bonding networks for buildings and other structures
OVE E 8014: Foundation earth electrodes and supplemental measures of earthing and equipotential bonding in information technology installations.
EN 55032: Electromagnetic compatibility of multimedia equipment - Emission requirements
EN 50561-x: Power line communication apparatus used in low-voltage installations. Radio disturbance characteristics
EN 61000- 6-x: Electromagnetic compatibility (EMC) - Immunity standard for residential, commercial and light-industrial environments

CONSTRUCTION PRODUCTS REGULATION

What is the purpose of the Construction Products Regulation (CPR) with regard to data cables and what is its impact?

Data cables (only those permanently installed, without patch cords or connection cables) are a construction product within the meaning of Regulation (EU) No 305/2011. The regulation, which came into force on 09.03.2011 and had to be implemented by 01.07.2017 at the latest, established a classification and comparability of the fire properties (related to flame, smoke, drip and acid development) of power, control and communication cables. The unambiguous product-related testing and classification ensures that the fire properties remain consistent. The cables shall be certified by an independent notified body and classified accordingly.

Which different classes have been defined?

Fire behaviour is differentiated into 7 classes, where class „A" represents the highest (non-flammable) and class „F" the lowest (easily flammable) requirement. According to EN 50174-1, fire barriers are not required if installation cables of at least fire class Eca are used inside buildings.

Class (ca = cable)	Sub-classifications			Characteristics	Safety requirements
	Smoke generation/ -density	Acid release / corrosiveness	Flaming droplets / particles		
A_{ca}	-	-	-	non-combustible	very high
$B1_{ca}$	-	-	-	not easily flammable	very high
$B2_{ca}$	s1a	a1	d1	not easily flammable	very high
C_{ca}	s1b	a1	d1	not easily flammable	high
D_{ca}	s2	a1	d2	flammable	medium
E_{ca}	-	-	-	flammable	low
F_{ca}	-	-	-	easily flammable	none

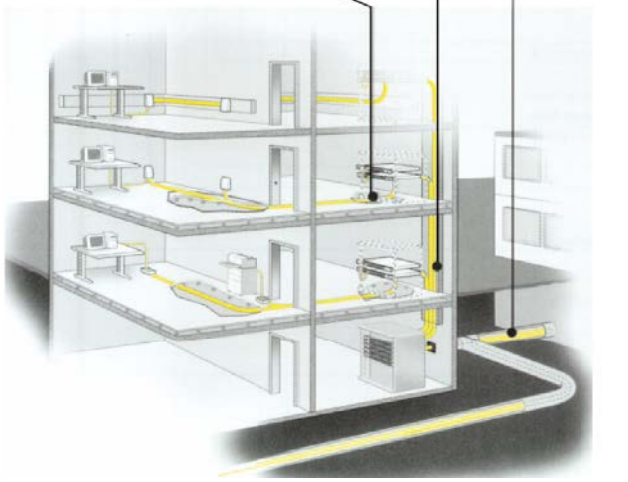
Class (ca = cable)	Constancy of performance (AVCP)	Tasks of the manufacturer	Tasks of the notified body
A_{ca}	1+	• Factory production control • Further testing of samples taken at the factory in accordance with the prescribed test plan	• Type sample testing • Initial inspection of the manufacturing pant and of factory production control • Continuous surveillance, assessment and evaluation of factory production control • Audit testing of samples taken (every 3 years)
$B1_{ca}$			
$B2_{ca}$			
C_{ca}			
D_{ca}	3	• Factory production control	• Type sample testing
E_{ca}			
F_{ca}	4	• Factory production control • Type sample testing	• None

GENERIC CABLING SYSTEMS – STRUCTURE

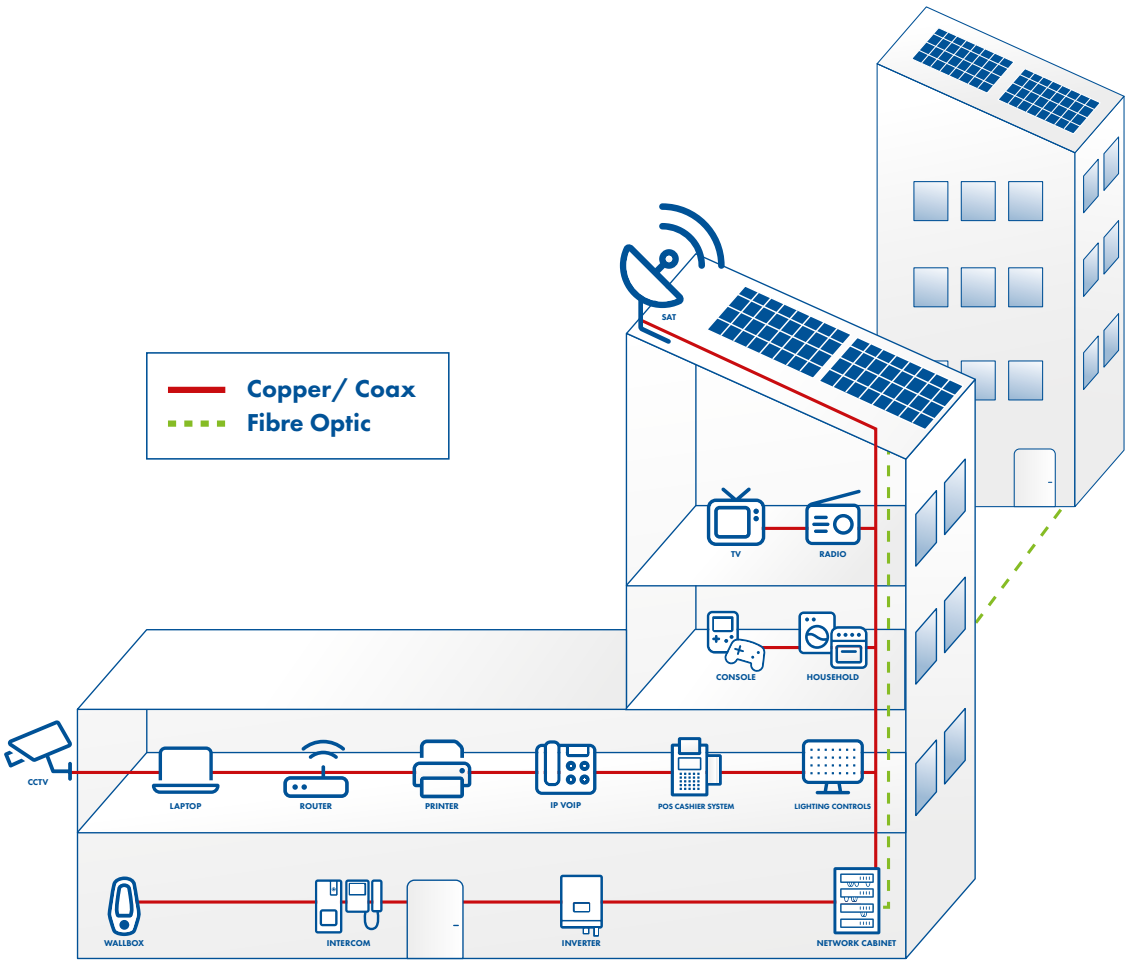
Secondary cabling
Vertical cabling
Backbone
(Copper or Fibre Optic)

Tertiary cabling
Horizontal cabling
Floor cabling
(Copper or Fibre Optic)

Primary cabling
Campus cabling
Cabling inside buildings
(Fibre Optic)



GENERIC CABLING SYSTEMS WITH COPPER CABLING TECHNOLOGY – EXAMPLES



COPPER CABLING BASICS

The international ISO/IEC standard is almost identical with the European EN standard. They differentiate categories and classes. A category specifies the methods and values by which individual components must be tested. This means that individual components can only be tested and specified according to a category. By connecting products which meet a certain common category the complete system is defined by this category. The component meeting the lowest category defines the value of the class. In contrast, the American TIA/EIA standard only knows the concept of category and uses it for individual components and also for the overall system.

Standard	**Validity**	**Category**	5	5e	6	6A	8	6_A	8.1	7	7_A	8.2
		Class	D	-	E	-	-	E_A	I	F	F_A	II
		Limit frq. (MHz)	100	100	250	500	2000	500	2000	600	1000	2000
ISO/IEC	International		✓	-	✓	-	-	✓	✓	✓	✓	✓
EN	Europe		✓	-	✓	-	-	✓	✓	✓	✓	✓
TIA/EIA	America		✓	✓	✓	✓	✓	-	-	-	-	-
			RJ45							GG45, ARJ45, Tera		
			UTP & STP				STP	UTP & STP	STP			

Key::
UTP → Unshielded Twisted Pair
STP → Shielded Twisted Pair
Categories listed in order of the limit curves of the standards

NETWORK APPLICATIONS

The typical and most common Ethernet network applications, for classes D to II according to EN 50173-1, are the following:

Class	**Network applications**	**Data transfer rate**	**Protocol**	**Connections (max.)**	**Permanent link (max.)**
Class D	Ethernet 100BASE-TX	100 Mbit/s	IEEE 802.3u	4	100 m
	Ethernet 1000BASE-T b	1 Gbit/s	IEEE 802.3ab	4	100 m
	Ethernet 2.5GBASE-T	2,5 Gbit/s	IEEE 802.3bz	4	100 m
Class E	Ethernet 5GBASE-T	5 Gbit/s	IEEE 802.3bz	4	100 m
Class E_A	Ethernet 10GBASE-T	10 Gbit/s	IEEE 802.3an	4	100 m
Class I/II	Ethernet 25GBASE-T	25 Gbit/s	IEEE 802.3bq	2	30 m
	Ethernet 40GBASE-T	40 Gbit/s	IEEE 802.3bq	2	30 m

AWG (American Wire Gauge)

Conductor dimensions of the most frequently used copper wire strands:

AWG dimension	Conductor design	Wire diameter mm	Cross section mm²	Comment
AWG 26/7	7 strands		0.140	Patch cords
AWG 27/7	7 strands		0.111	Patch cords
AWG 24 /1	Solid wire	0.511	0.203	Installation cables
AWG 23 /1	Solid wire	0.574	0.259	Installation cables
AWG 22 /1	Solid wire	0.643	0.322	Installation cables

RJ CONNECTOR DESIGNATIONS

	Connector	Usage	Pins	Designation
	RJ45	Patch panel, socket, switch, PC, telephone (ISDN)	8	8P8C
	RJ12	Telephone, intercom system	6	6P6C
	RJ11 (RJ14)	Telephone, intercom system	4	6P4C
	RJ10	Telephone receiver	4	4P4C

PINOUTS

EIA/TIA 568 A



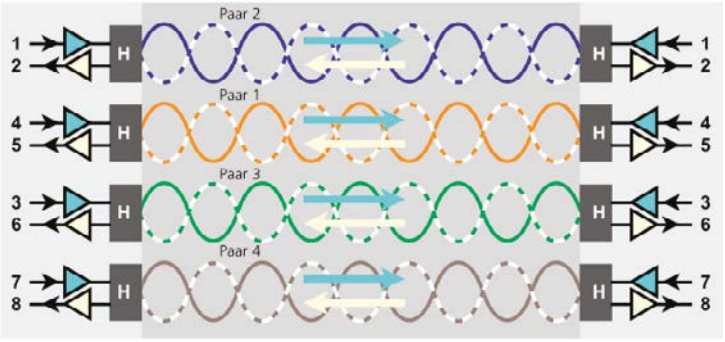
EIA/TIA 568 B



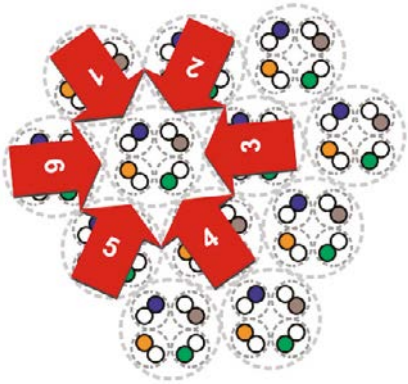
10 GIGABIT ETHERNET

10 Gigabit Ethernet is transferred over all 4 pairs, full duplex with 2.5 Gbit/s per pair, at an operating frequency of 417 MHz. AlienNEXT (Alien Near-End Crosstalk) is the interference of a signal from one pair of a cable to a pair of another cable.

Full-duplex



4 x 2.5Gbit/s



DIFFERENCES ISO/IEC & EN CAT.6_A – TIA/EIA CAT.6A

	ISO/IEC & EN	TIA/EIA	
Cabling (permanent link + channel)	Class E_A	Cat.6A	
Component	Cat.6_A	Cat.6A	
			ISO/IEC & EN stricter
NEXT permanent link	29.2 dB	26.7 dB	2.5 dB
NEXT channel	27.9 dB	26.1 dB	1.8 dB
NEXT component	37.0 dB	34.0 dB	3.0 dB

POWER OVER ETHERNET (PoE) AND REMOTE POWER CATEGORIES (RPx)

STANDARDISATIN OF PoE TYPES

Power over Ethernet (PoE) transmits data and power via a data cable and is used in offices, industry and building automation.
This technology is in ever-increasing demand, driven by the wide range of possible applications such as:

- Laptops, thin client computers
- WLAN access points
- POS systems
- CCTV video surveillance in indoor and outdoor areas
- IP intercom systems
- IP VoIP
- Lighting (LED) and lighting control
- Smart building management (room sensors, security technology, video surveillance, ...)

	PoE	PoE+	4PPoE	4PPoE
Standard	IEEE 802.3af	IEEE 802.3at	IEEE 802.3bt	IEEE 802.3bt
Type	Typ 1	Typ 2	Typ 3	Typ 4
Maximum power delivered by PSE	15.4 W	30 W	60 W	100 W
Power available at PD	12.95 W	25.5 W	51 W	71 W
Voltage range (at PSE)	44 - 57 V	50 - 57 V	50 - 57 V	52 - 57 V
Voltage range (at PD)	37 - 57 V	42.5 - 57 V	42.5 - 57 V	41.1 - 57 V
Maximum current	350 mA	600 mA	500 mA	720 - 860 mA
Number of active pairs	2	2	4	4

PoE's efficiency highly depends on cable quality and the diameter of the conductor.

Choosing the right conductor diameter is crucial for network performance, especially when used in combination with Power over Ethernet (PoE). The conductor diameter directly influences the electrical properties of the data cable, which in turn impacts its efficiency in transmitting current. A correct conductor diameter minimises the ohmic resistance and lower resistance reduces energy loss. This is what matters most in PoE systems. An optimal power supply not only ensures reliable power supply for the powered devices, but also helps minimise the voltage drop over larger cable lengths.

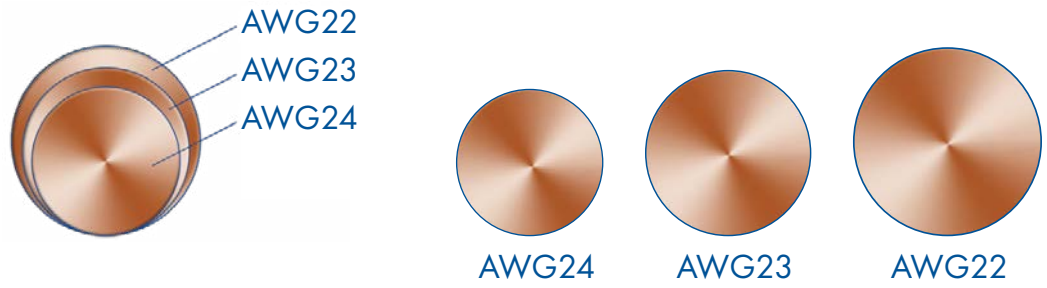


Figure: conductor cross sections compared, AWG22 - AWG23 - AWG24

Choosing cables with the right conductor diameter is therefore essential to ensure a stable and efficient PoE infrastructure.

STANDARDISATION OF REMOTE POWER CATEGORIES (RPx)

When planning Power over Ethernet (PoE) installations several aspects (ambient conditions, cable bundling, etc.) require special attention. The categories for remote power supply, also known as remote feed, specified in the EN 50174-x standards, RP1, RP2 and RP3, represent an important step forward and ensure the safe operation of Power over Ethernet (PoE) installations. For the user, they render PoE installations more flexible to be adapted to different environments and applications. Their clear specification and well-defined categorisation make RP1, RP2 and RP3 a solid basis for planning and implementing practicable PoE infrastructures. They not only support higher reliability and efficiency, but make sure that handling and maintenance gets easier and systems can be extended during operation.

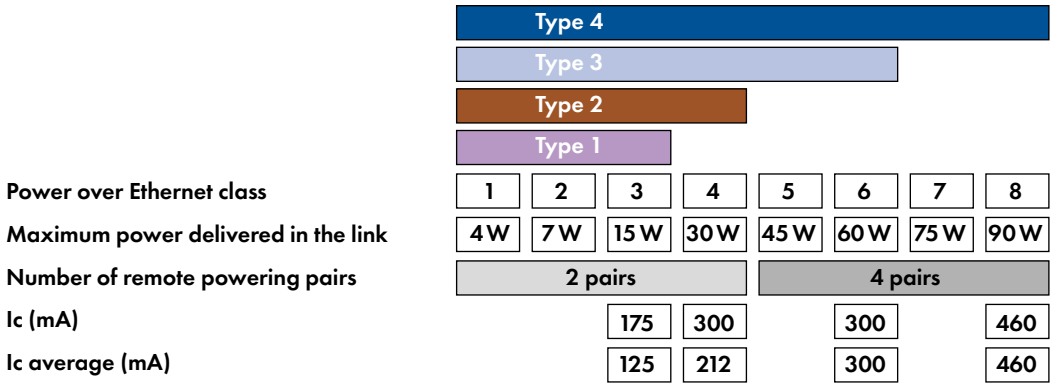


Figure: conductor current definition for remote power according to ISO/IEC/IEEE 8802-3

With the differentiation offered by the RP1, RP2, and RP3 remote power categories PoE installations can now be customised to meet specific requirements. RP1 does not require any specific measures in the planning stage. RP2 requires that specific environmental conditions must be considered. RP3 goes one step further, with the wiring designed so that all cables can simultaneously transmit the maximum PoE current.

Remote power category (RPx)	Ic (average current)	Ic
RP1	≤ 212 mA	≤ 500 mA
RP2	> 212 mA < 500 mA	≤ 500 mA
RP3	–	≤ 500 mA

Table: categories for remote power installations

The table shows values for Ic and Ic (average current) for remote power applications / PoE types according to ISO/IEC/IEEE 8802-3. They define the conductor current for remote power supply applications.

- **RP1:** In this category, the average current for all conductors supplied by the same switch (Ic average) is limited to a fixed value of 212 mA for equipment connected for remote power supply.
  - Does not require installation planning and practices as specified in EN 50174-2
  - Requires documentation and administration according to EN 50174-1 when connecting the equipment and when extending the cabling at a later time.

- **RP2:** In this category, the average current for all conductors supplied by the same switch (Ic average) is limited to a fixed value between 212 mA and 500 mA for equipment connected for remote power supply.
  - Requires planning and installation practices according to EN 50174-2
  - Requires documentation and administration according to EN 50174-1 when connecting the equipment and when extending the cabling at a later time.

- **RP3:** In this category, the limit value for all conductors supplied by the same switch is set to ≤ 500 mA for equipment connected for remote power supply.
  - Requires planning and installation practices according to EN 50174-2
  - Requires documentation and administration according to EN 50174-1 when extending the cabling at a later time.



Figure: example of labelling (documentation) the remote power categories according to EN 50174-1

SEGREGATION OF INFORMATION TECHNOLOGY CABLES AND POWER SUPPLY CABLES

The separation requirements are determined in accordance with EN 50174-2 (clause 6: Segregation of metallic information technology cabling and power supply cabling).

The separation requirements depend on the following characteristics, which must be factored in:

- The electromagnetic compatibility (EMC) of the information technology cable
  - Coupling attenuation for shielded balanced cables
  - Transverse conversion loss (TCL) for unshielded balanced cables
  - Screening attenuation for unbalanced (coaxial) cables and twin axial cables
- The structure and type of the cable trunking system (cable pathway)
- The quantity of, and type of the electric circuit provided by, the power supply cables
- System expansions planned in the future
- Various installation conditions, methodologies and recommendations for cable bundles with remote power supply (PoE)

MEASUREMENT TECHNOLOGY - THEORY

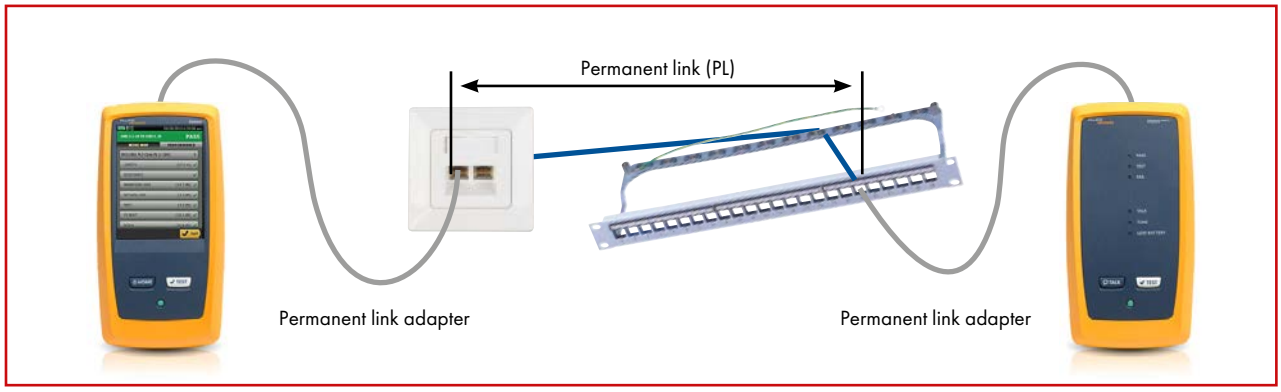
In network technology, a distinction is made essentially between the following types of test activities:

- Verify
- Qualify
- Certify
- Active/troubleshoot

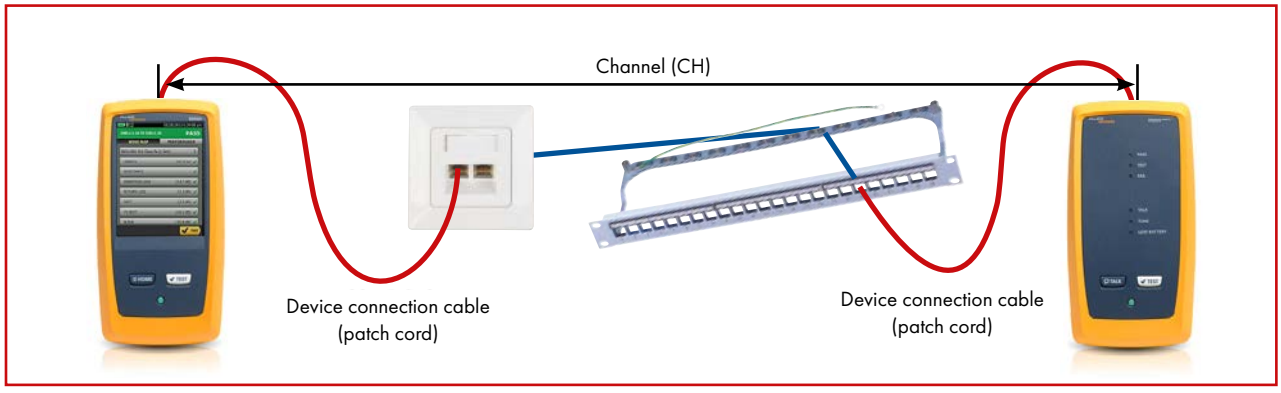
The most common acceptance measurement applied is **certifying** the installation.

- Assessing the cabling system compared to applicable standards and best practices
- Routes are defined differently (permanent link, channel, x-connector PL/CH)
- Many different LF/HF measurement parameters and calculated parameters

Permanent link (installation link) - without patch cord



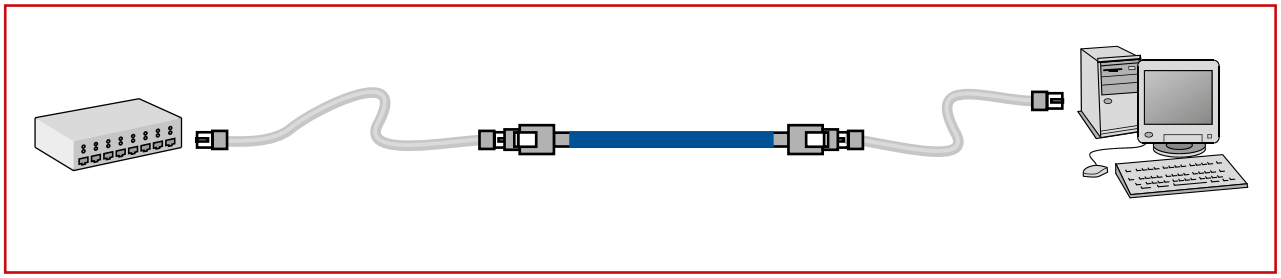
Permanent link (installation link) - with patch cord



DIFFERENCES 2- AND 4-CONNECTOR CHANNEL

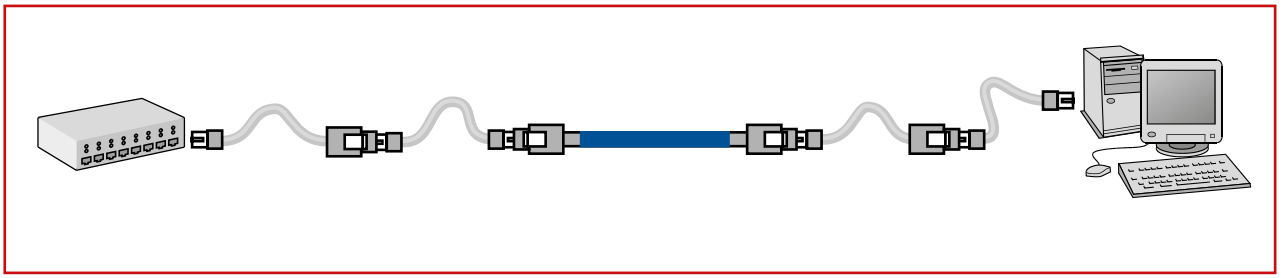
2-connector channel

The 2-connector channel is the type generally used in Europe.



4-connector channel

The 4-connector channel is rarely used in Europe. Basically, it consists of two additional connectors added to a 2-connector channel. This channel is much harder to sustain. Therefore, the components must be precisely adjusted to one another.

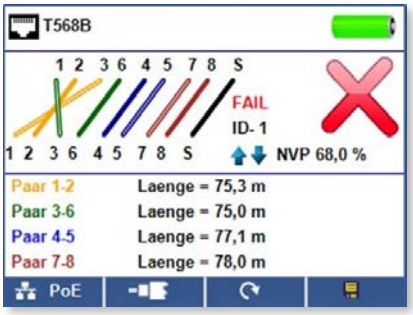


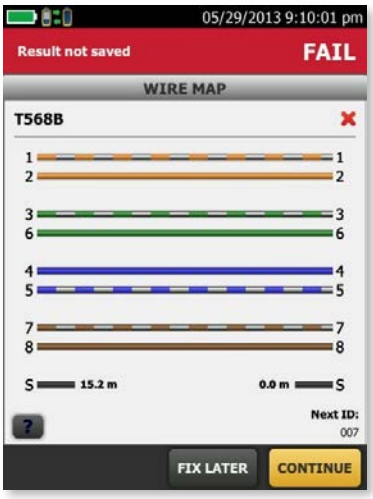
MEASUREMENT TECHNOLOGY – PARAMETERS AND TROUBLESHOOTING

In practice, the most common causes of error are:

WIRE MAP FAULTS

- Splits, reversed or crossed pairs/individual wires and connection to chassis or earth



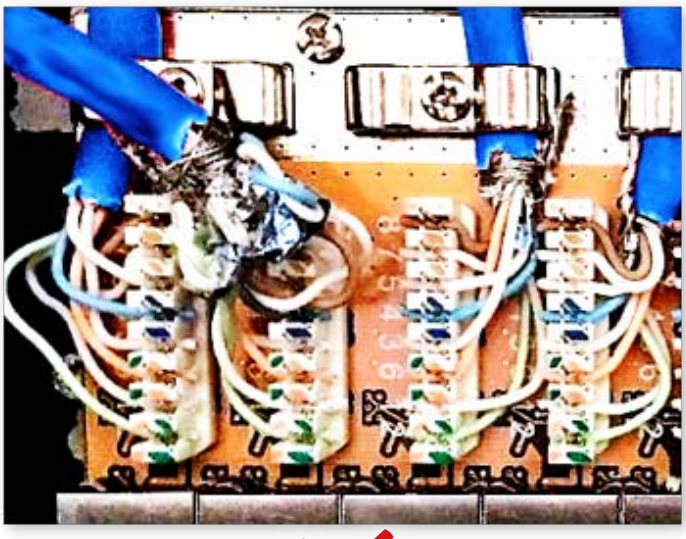


ATTENUATION / INSERTION LOSS

- Was the maximum length of the cabling pathway exceed?
- Were all limits for bending radii and tensile loads observed during installation?
- Are there non-homogeneous or mismatching components (impedance)?
- Were patch cables of inferior quality or grade used?

NEXT (NEAR-END CROSSTALK)

- Cable symmetry: when expanding the system, has the twisting of the pairs been loosened too far?
- In the case of shielded cables with single pair shielding, has the foil shield been removed too far from the connection pins?
- Were all limits for bending radii and tensile loads observed during installation?
- Are there non-homogeneous or mismatching components (impedance)?
- Are the measuring adaptors / patch cords compatible with the jack? Are they worn out?









RL (RETURN LOSS)

- Cable symmetry: when expanding the system, has the twisting of the pairs been loosened too far?
- Were data cables (cable attenuation) of inferior quality or grade used?
- In the case of shielded cables with single pair shielding, has the foil shield been removed too far from the connection pins?
- Were all limits for bending radii and tensile loads observed during installation?
- Are there non-homogeneous or mismatching components (impedance)?
- Are the measuring adaptors / patch cords compatible with the jack? Are they worn out?
- Was the correct test method or limit value selected?

Error in parameter	Unit	Target value	Possible causes of error	Tip
Wire mapping	Diagram view	–	connection errors, short circuits & splits	–
Length	Metre	as low as possible	cable length to calculate billable dimensions, length to fault in case of short circuits or splits	Set the NVP factor correctly to determine the exact length
Loop resistance	Ohm	as low as possible	quality statement about the connection	–
Transit time	ns	as low as possible	used to determine the length	–
Transit time difference	ns	as low as possible	possible manufacturing defect of the cable	–
Attenuation	dB via frequency	as low as possible	possible manufacturing defect of the cables, cable too long	–
Near-end crosstalk (NEXT)	dB via frequency	as high as possible	twisting / shielding poorly processed, mismatched components, measurement cable defective	Error mostly in short distances (< 30 m), troubleshooting with NEXT locator
PS NEXT	dB via frequency	as high as possible	see near-end crosstalk	
ACR	dB via frequency	as high as possible	check attenuation and near-end crosstalk	
PS ACR	dB via frequency	as high as possible	see ACR	
Return loss (RL)	dB via frequency	as high as possible	twisting loose, kinked or squeezed cable, cable strained, components of poor quality, measurement cable defective	Error mostly in short distances (< 30 m), troubleshooting with return loss locator
ELFEXT	dB via frequency	as high as possible	far-end crosstalk, usually also includes near-end crosstalk	
PS ELFEXT	dB via frequency	as high as possible	see ELFEXT	
Alien NEXT	dB via frequency	mögl. hoch	poor shielding of cables, cable sharing, UTP cables laid too parallel, patch panels packed too densely	

EXPERT'S TIP:

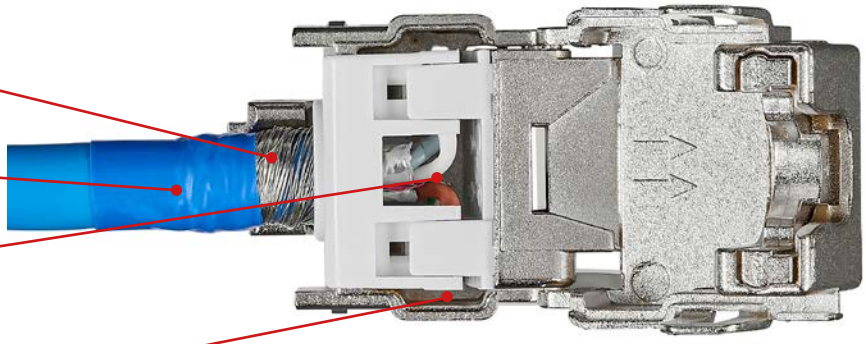
In practice, it is usually possible to prevent errors from occurring by selecting the right components:

Stable, all-round spring-loaded shield contacting

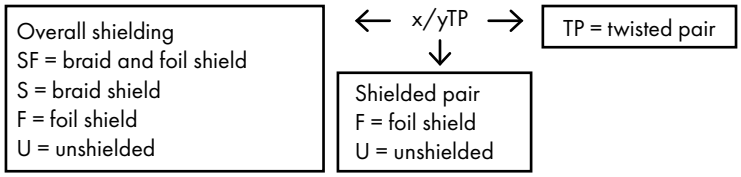
Keep cable jacket as long as possible

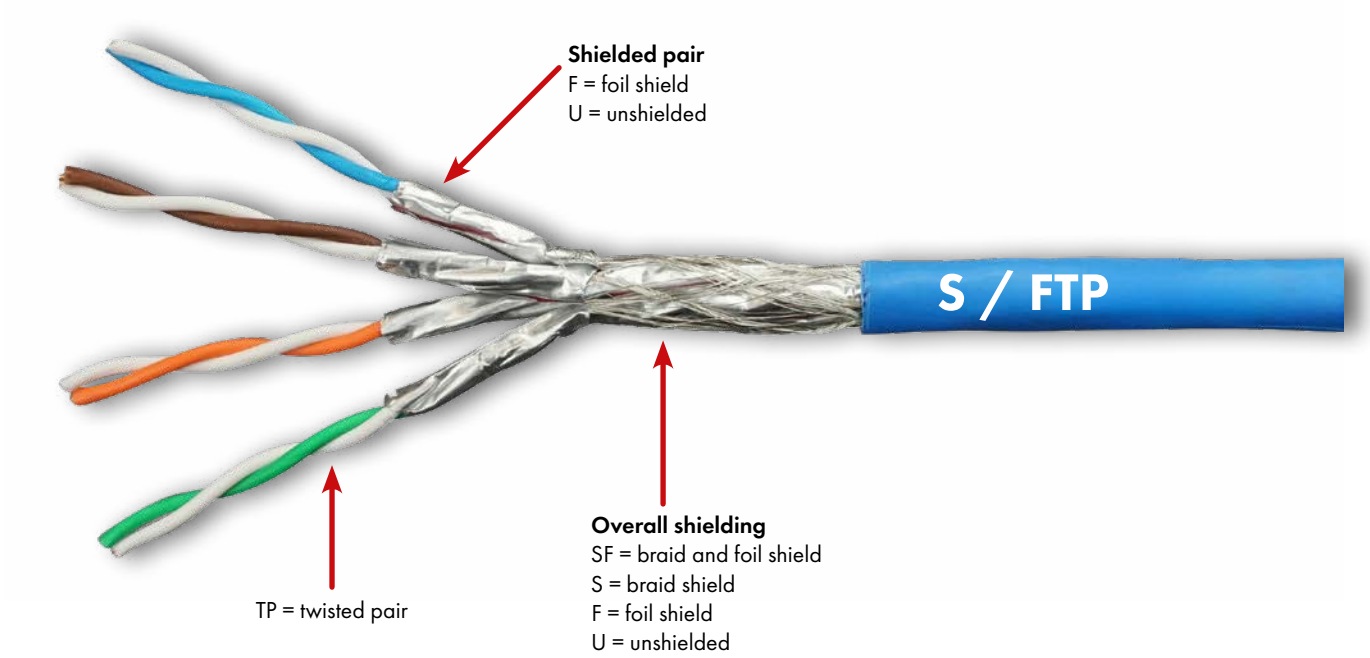
Loosen the twisting as little as possible
Keep the single pair shields as far as possible

Shorten the wire ends (< 0.5 mm)
Avoid connections to chassis or earth



DESIGNATION PRINCIPLES FOR BALANCED COPPER CABLES





QUALITY AND GRADE OF BALANCED COPPER CABLES

The following regulations and series of standards are crucial for the quality, design and construction of communication cables for information technology applications:

- **EN 50288-x-x:** Generic specification (electrical and mechanical parameters) for installation cables and patch cords, shielded and unshielded
- **EN 50289-x-x:** Specifications for test methods of the individual electrical parameters
- **EN 50290-x-x:** General design rules and construction of e.g. insulation; sheath material, shielding, copper conductors, etc.

EXPERT'S TIP:

The following specific requirements from these regulations and series of standards are important when selecting high-quality copper data cables and should be taken into consideration:

- Conductors must be made of pure copper – copper-clad conductors do not meet requirements
- When using an S/FTP cable construction, a minimum coverage of the overall braided shield of 30 % is required
- Minimum coverage is an important parameter of the shielding function and coupling attenuation. It is also an essential parameter for the separation and installation distance of high current and low current cables



INSTALLATION MADE EASY

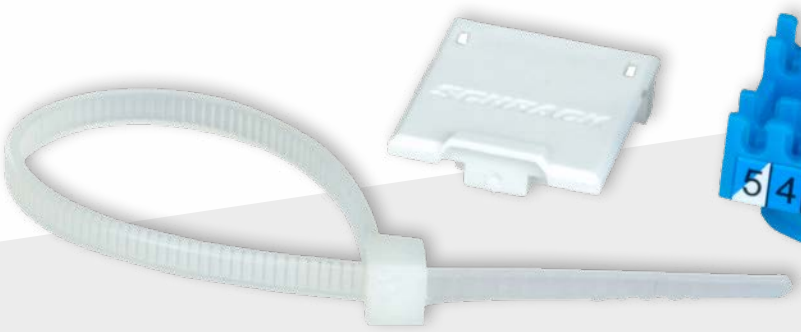
TOOLLESS LINE

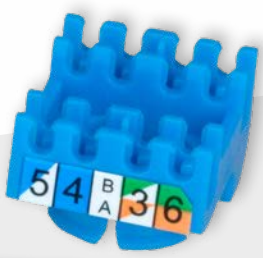
Cat.6$_A$, Cat.6, Cat.5e STP & UTP System MODULAR

Schrack Technik TOOLLESS LINE is a copper cabling system which is outstanding in its easy installation and high performance.
Quick to install, no special tools needed - that's what makes Schrack Technik TOOLLESS LINE so convincing.

Your benefits at a glance

- Quick and easy installation,
  no (special) tools needed
- Wide range of applications thanks to:
  - Shielded and unshielded models
  - Performance from Cat.5e via Cat.6 to Cat.6$_A$ 10GB
  - Two casing sizes → format SFA / format SFB
- SFB jacks are suitable for all standard UAE Design compatible switch programs,
  such as SCHRACK VISIO S 55 and SCHRACK VISIO S 50
- Spring-loaded 360° shield contacting for Cat.6$_A$ jacks
- High durability thanks to contacts with 50µ gold plating







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TOOLLESS LINE Jacks RJ45 Shielded Cat.6$_A$ 10GB / Class E$_A$ 10GB in Schrack Format A (SFA)


HSEMRJ6GWA


HSEMRJ6GWA


HSEMRJ6GWT


HSEMRJ6GWT


HSEMRJZSKW

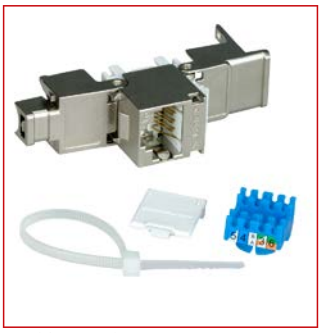
Schrack-Info

These TOOLLESS LINE jacks RJ45 are modules in Schrack Format A (SFA).
The jack HSEMRJ6GWA fullfills Cat.6$_A$ performance for 10 Gigabit Ethernet.
It is a toolless jack and can be crimped without the need of a special tool. This results in a very convenient installation procedure and very short installation time needed.
Enhanced electro magnetic compliance (EMC) performance is achieved by the 360° spring-type Shielding-contact and optimised overlapping of the bodyparts.
The jack comes with a Fast-On connector for connection to an earthing-point and can be re-opened if needed. The scope of delivery includes an attachable dust cover in white.

TOOL LESS | SFA | STP | Cat. 6$_A$ | 10GB | Cat. 6 | 4PPoE

DESCRIPTION	AVAILABLE	ORDER NO.
TOOLLESS LINE Jack RJ45 shielded Cat.6$_A$ 10GB 4PPoE 100W (SFA)		**HSEMRJ6GWA**
TOOLLESS LINE Jack RJ45 shielded, Class E$_A$ 10GB 4PPoE 100W (SFA)		**HSEMRJ6GWT**
TOOLLESS LINE Dustcoverset for HSEMRJ6GWA/GWT/GBA/GBS, 25 pieces, white		**HSEMRJZSKW**
TOOLLESS LINE Dustcoverset for HSEMRJ6GWA/GWT/GBA/GBS, 25 pieces, blue		**HSEMRJZSKB**
TOOLLESS LINE Dustcoverset for HSEMRJ6GWA/GWT/GBA/GBS, 25 pieces, red		**HSEMRJZSKR**
TOOLLESS LINE Dustcoverset for HSEMRJ6GWA/GWT/GBA/GBS, 25 pieces, yellow		**HSEMRJZSKY**
TOOLLESS LINE Dustcoverset for HSEMRJ6GWA/GWT/GBA/GBS, 25 pieces, green		**HSEMRJZSKU**
TOOLLESS LINE Dustcoverset for HSEMRJ6GWA/GWT/GBA/GBS, 25 pieces, black		**HSEMRJZSKS**

TOOLLESS LINE Jack RJ45 Shielded Cat.6$_A$ 10GB in Schrack Format B (SFB)



HSEMRJ6GBA



HSEMRJ6GBA

Schrack-Info

This TOOLLESS LINE jack RJ45 is a module in Schrack Format B (SFB) and fullfills Cat.6$_A$ performance for 10 Gigabit Ethernet.
It is a toolless jack and can be crimped without the need of a special tool. This results in a very convenient installation procedure and very short installation time needed.
Enhanced electro magnetic compliance (EMC) performance is achieved by the 360° Shielding-contact and optimised bodyparts.
The jack comes with a Fast-On connector for connection to an earthing-point and can be re-opened if needed.
The scope of delivery includes a clip-on dust cover in white.
The SFB modules are suitable for all standard UAE Design compatible switch programs, such as SCHRACK VISIO S 50 and VISIO S 55 covers and the matching frames in pure white, anthracite, silver and black.

TOOL LESS | SFB | VISIO | STP | Cat. 6$_A$ | 4PPoE

DESCRIPTION	AVAILABLE	ORDER NO.
TOOLLESS LINE RJ45 connector Cat.6$_A$ shielded 10GB 4PPoE 100W (SFB)		**HSEMRJ6GBA**

TOOLLESS LINE Jack RJ45 Shielded Cat.6 in Schrack Format A (SFA)



HSEMRJ6GWS



HSEMRJ6GWS

Schrack-Info

This TOOLLESS LINE jack RJ45 is a module in Schrack Format A (SFA) and fullfills Cat.6 performance.
It is a toolless jack and can be crimped without the need of a special tool. This results in a very convenient installation procedure and very short installation time needed.
The jack comes with a Fast-On connector for connection to an earthing-point and can be re-opened if needed.

TOOL LESS | SFA | STP | Cat. 6

DESCRIPTION	AVAILABLE	ORDER NO.
TOOLLESS LINE Jack RJ45 shielded, Cat.6 (SFA)		**HSEMRJ6GWS**

TOOLLESS LINE Jack RJ45 Shielded Cat.6 in Schrack Format B (SFB)



HSEMRJ6GBS



HSEMRJ6GBS

Schrack-Info

This TOOLLESS LINE jack RJ45 is a module in Schrack Format B (SFB) and fullfills Cat.6 performance.
It is a toolless jack and can be crimped without the need of a special tool. This results in a very convenient installation procedure and very short installation time needed.
The jack comes with a Fast-On connector for connection to an earthing-point and can be re-opened if needed.
The scope of delivery includes a clip-on dust cover in white.
The SFB modules are suitable for all standard UAE Design compatible switch programs, such as SCHRACK VISIO S 50 and VISIO S 55 covers and the matching frames in pure white, anthracite, silver and black.

TOOL LESS | SFB | VISIO | STP | Cat. 6

DESCRIPTION	AVAILABLE	ORDER NO.
TOOLLESS LINE RJ45 connector Cat.6 shielded (SFB)		**HSEMRJ6GBS**

TOOLLESS LINE Jack RJ45 Shielded Cat.5e in Schrack Format A (SFA)



HSEMRJ5GWS



HSEMRJ5GWS

Schrack-Info

This TOOLLESS LINE jack RJ45 is a module in Schrack Format A (SFA) and fullfills Cat.5e performance.
It is a toolless jack and can be crimped without the need of a special tool. This results in a very convenient installation procedure and very short installation time needed.
The jack can be re-opened if needed.

TOOL LESS | SFA | STP | Cat. 5e

DESCRIPTION	AVAILABLE	ORDER NO.
TOOLLESS LINE Jack RJ45 shielded, Cat.5e (SFA)		**HSEMRJ5GWS**

TOOLLESS LINE Jack RJ45 Unshielded Cat.6A in Schrack Format A (SFA)



HEKFMAUGIx



HEKFMAUGIx

Schrack-Info

This TOOLLESS LINE jack RJ45 is a module in Schrack Format A (SFA) and fullfills Cat.6A performance.
It is a toolless jack and can be crimped without the need of a special tool. This results in a very convenient installation procedure and very short installation time needed.
The jack can be re-opened if needed.
The modules are equipped with a transparent, removable dust cover.

TOOL LESS | SFA | UTP | Cat.6A | 4PPoE

DESCRIPTION	AVAILABLE	ORDER NO.
Jack RJ45 unshielded Cat.6A, AWG 24-22, 4PPoE, SFA, 24 pieces box		**HEKFMAUGI2**
Jack RJ45 unshielded Cat.6A, AWG 24-22, 4PPoE, SFA, Single Pack		**HEKFMAUGI1**

TOOLLESS LINE Jack RJ45 Unshielded Cat.6 in Schrack Format A (SFA)



HSEMRJ6UWS



HSEMRJ6UWS

Schrack-Info

This TOOLLESS LINE jack RJ45 is a module in Schrack Format A (SFA) and fullfills Cat.6 performance.
It is a toolless jack and can be crimped without the need of a special tool. This results in a very convenient installation procedure and very short installation time needed.
The jack can be re-opened if needed.

TOOL LESS | SFA | UTP | Cat. 6

DESCRIPTION	AVAILABLE	ORDER NO.
TOOLLESS LINE Jack RJ45 unshielded, Cat.6 (SFA)		**HSEMRJ6UWS**

TOOLLESS LINE Jack RJ45 Unshielded Cat.5e in Schrack Format A (SFA)



HSEMRJ5UWS



HSEMRJ5UWS

Schrack-Info

This TOOLLESS LINE jack RJ45 is a module in Schrack Format A (SFA) and fullfills Cat.5e performance.
It is a toolless jack and can be crimped without the need of a special tool. This results in a very convenient installation procedure and very short installation time needed.
The jack can be re-opened if needed.

TOOL LESS | SFA | UTP | Cat. 5e

DESCRIPTION	AVAILABLE	ORDER NO.
TOOLLESS LINE Jack RJ45 unshielded, Cat.5e (SFA)		**HSEMRJ5UWS**

Dustcovers for RJ45 Jack



HM5LFDUS07

Schrack-Info

Dustcovers are available in packages of 25 pieces (25, 50, 75, ...).

TOOL LESS

DESCRIPTION	AVAILABLE	ORDER NO.
Dust cover for RJ45-jack, grey		**HM5LFDUS07**

TOOLLESS LINE RePair-Kit/Extender Shielded Cat.6$_A$ for Installationcable



HCAT6AREPT

TOOL LESS | STP | Cat. 6$_A$ | 10GB | 4PPoE

Schrack-Info

- For joining or extending of Twisted-Pair installationcables.
- Performance Cat.6$_A$ 10GB.

By use of the Cat.6$_A$ cable extender, cables can be extended without much effort. Furthermore, unused cables can be reactivated and extended until the next wanted connection point. The limited space in the cable-duct is optimally used. After installation, the extended line can be used up to the maximum link length even for 10-Gigabit Ethernet transmissions. Supports 4PPoE (Power over Ethernet).

DESCRIPTION	AVAILABLE	ORDER NO.
TOOLLESS LINE Repair-Kit/Extender of installation cables Cat.6$_A$, 10GB 4PPoE (100W) for AWG26 - AWG22, Short-version		**HCAT6AREPT**

Coupler RJ45 Shielded Class E$_A$ 10GB in Schrack Format A (SFA)



HSEMRKRGWS



HSEMRKRGWS

TOOL LESS | SFA | STP | 10GB

Schrack-Info

This RJ45-RJ45 coupler is a module in Schrack Format A (SFA) and fullfills Class E$_A$ 10GB performance.

DESCRIPTION	AVAILABLE	ORDER NO.
Adaptor coupling RJ45 Class E$_A$ shielded 10GB (SFA)		**HSEMRKRGWS**

Coupler Coax F-Type in Schrack Format A (SFA)



HSEMRKFFWS

TOOL LESS | SFA | SAT

Schrack-Info

This Coax F-F coupler is a module in Schrack Format A (SFA).
Before installing the coupler, the dust-cover of the data-outlet has to be removed.

DESCRIPTION	AVAILABLE	ORDER NO.
Coax Coupler F-female to F-female (SFA)		**HSEMRKFFWS**

Couplers HDMI and USB


HSEMRHDMWS


HSEMRU3AWS


Q7AH0005

Schrack-Info

Suitable accessories:

HSEMRHDMWS HDMI-coupler

- Patchpanels:
  - HSER0240GS: Recommended Panel
  - HSER0480GS, HSER0120GS
- Outlets:
  - HSED02UW1S: Recommended Outlet
  - HSEMD02W2F

We generally recommend the use of cables with a short and slim plug. Optionally, the 90° angled adapter Q7AH0005 can be used for rear cable-guiding to one side.

HSEMRU3AWS USB-coupler

- Patchpanels:
  - HSER0240GS: Recommended Panel
  - HSER0480GS, HSER0120GS
- Outlets:
  - HSED02UW1S: Recommended Outlet
  - HSED01UW2S, HSED02UW2S, HSED03UW2S: Dust-cover of outlet need to be removed
  - HSEMD02W2F
- DIN-Rail adapter:
  - HSERH010GS

We generally recommend the use of cables with a short and slim plug.

TOOL LESS HDMI USB 3.0

DESCRIPTION	AVAILABLE	ORDER NO.
TOOLLESS LINE HDMI Coupler white, HDMI A female - HDMI A female		**HSEMRHDMWS**
TOOLLESS LINE USB 3.0 A-A Coupler, white		**HSEMRU3AWS**
HDMI Adapter 90°, HDMI A male - HDMI A female		**Q7AH0005**

Couplers Fiber Optics in Schrack Format A (SFA)


HSEMRLLLWS


HMOLE00103


HMOLE00104


HMOLE00058


HMOLE00055


HMOL000107

TOOL LESS | SFA | OM2 | OM3 | OM4 | OM5 | OS2

Schrack-Info

This Fiber Optics coupler is a module in Schrack Format A (SFA) and consists of an empty module and the FO coupler.
When using SC-simplex couplers with flange, a blind cover has to be used in Patchpanel and 3-Port outlet in the middle between 2 modules.
Before installing the coupler, the dust-cover of the data-outlet has to be removed.

DESCRIPTION	AVAILABLE	ORDER NO.
FO coupler empty for LC-Duplex/SC-Simplex (SFA)		**HSEMRLLLWS**
FO Coupler LC-Duplex, Plastic, Multimode, zirconia, without flange, beige, ECO		**HMOLE00103**
FO Coupler LC-Duplex, Plastic, Singlemode, zirconia, without flange, blue, ECO		**HMOLE00104**
FO Coupler SC-Simplex, Plastic, Multimode, phosphor-bronze, flange, beige, ECO		HMOLE00058
FO Coupler SC-Simplex, Plastic, Singlemode, zirconia, flange, blue, ECO		**HMOLE00055**
FO Coupler SC/APC-Simplex, Singlemode, w/o flange, green, ECO		**HMOL000107**

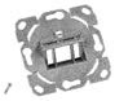
VISIO S 55 Cubic



TOOLLESS LINE Compatibility

		Angled outlet 	**Straight outlet** 	**Design compatible outlet UAE** 	**45 x 45 outlet**	**Wallmount outlet 1-6 modules** 	**Wallmount outlet 12 modules** 
		HSED03UW2S HSED02UW2S HSED01UW2S	HSED02UW1S	HSED02UWBS	HSEMD02W2F HSEMD01W1F	HSED06AW3S HSED04AW3S HSED02AW3S HSED01AW3S	HSED12AW3S
HSEMRJ6GBA	Cat.6$_A$ Jack RJ45S TOOLLESS SFB	✓	✓	✓	✓	✓	No
HSEMRJ6GBS	Cat.6 Jack RJ45S TOOLLESS SFB	✓	✓	✓	✓	✓	No
HSEMRJ6GWA	Cat.6$_A$ Jack RJ45S TOOLLESS SFA	✓	✓	No	✓	✓	✓
HSEMRJ6GWT	Cat.6 Jack RJ45S Cl. E$_A$ TOOLLESS SFA	✓	✓	No	✓	✓	✓
HSEMRJ6GWS	Cat.6 Jack RJ45S TOOLLESS SFA	✓	✓	No	✓	✓	✓
HEKFMAUGI1	Cat.6A Jack RJ45U TOOLLESS SFA	✓	✓	No	✓	✓	✓
HEKFMAUGI2	Cat.6A Jack RJ45U TOOLLESS SFA	✓	✓	No	✓	✓	✓
HSEMRJ6UWS	Cat.6 Jack RJ45U TOOLLESS SFA	✓	✓	No	✓	✓	✓
HSEMRJ5GWS	Cat.5e Jack RJ45S TOOLLESS SFA	✓	✓	No	✓	✓	✓
HSEMRJ5UWS	Cat.5e Jack RJ45U TOOLLESS SFA	✓	✓	No	✓	✓	✓
HSEMRKRGWS	Cat.6 Coupler RJ45S SFA	✓	✓	✓	✓	✓	No
HSEMRKFFWS	Coax Coupler 2xF-Jack SFA	✓	✓	No	✓	No	No
HSEMRLLLWS	FO Coupler empty for LC-dx/SC-sx SFA	✓	✓	No	✓	No	No
HSEMRHDMWS	HDMI Coupler, white	✓	✓	No	✓	No	No
HSEMRU3AWS	USB 3.0 A-A Coupler, white	✓	✓	No	✓	No	No

TOOLLESS LINE Compatibility

IP44	**Design compatible outlet UAE**	**VISIO S 55 UAE**		**VISIO S 50**	**VISIO 45**	**DIN-rail adapter**	**Panels 12 / 24 / 48**	**Panel 24**	**Panel High Density**	**Panel Desktop 8 modules**
										
HSEIP44AUT	HSED01UMBS	EV104314 EV114314 EV124314	EV104312 EV114312 EV124312	EV104003 EV104004 EV114003 EV114004 EV124003 EV124004	ET105002 ET105004 ET112018 ET102018 ET112017 ET102017	HSERH010GS	HSER0240GS HSER0240GP HSER0240SP HSER0240GZ HSER0480GS HSER0120GS	HSER0240GV	HSER0480SB	HSER0080GV
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	No	✓	✓	✓	✓	✓	No	✓
✓	✓	✓	No	✓	✓	✓	✓	✓	No	✓
✓	✓	✓	No	✓	✓	✓	✓	No	No	✓
✓	✓	✓	No	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	No	✓	✓	✓	✓	✓	✓	✓
✓	✓	✓	No	✓	✓	✓	✓	✓	No	✓
✓	✓	✓	No	✓	✓	✓	✓	✓	No	✓
✓	✓	✓	No	✓	✓	✓	✓	✓	No	✓
✓	No	✓	✓	✓	✓	✓	✓	✓	No	✓
✓	No	No	No	No	No	✓	✓	✓	No	✓
✓	No	No	No	No	No	✓	✓	✓	No	✓
✓	No	No	No	No	No	✓	✓	✓	No	✓
✓	No	No	No	No	No	✓	✓	✓	No	✓

Integration into Schrack Technik Switch-Programs

			UAE-design compatible	
VISIO S 55	**1 module SFA and SFB**	**2 modules SFA and SFB**	**1 module SFA and SFB**	**2 modules SFB**
Carrier insert	EV104005		HSED01UMBS	HSED02UWBS
Centralplate 55x55mm, white	EV104303	EV104304	EV104314	EV104312
Centralplate 55x55mm, anthracite	EV114303	EV114304	EV114314	EV114312
Centralplate 55x55mm, silver	EV124303	EV124304	EV124314	EV124312
Centralplate 55x55mm, black	EV134303	EV134304	EV134314	EV134312
Frame 55x55mm, 1-gang, white	EV105301			
Frame 55x55mm, 1-gang, anthracite	EV115301			
Frame 55x55mm, 1-gang, silver	EV125301			
Frame 55x55mm, 1-gang, black	EV135301			
Frame 55x55mm, 2-gang, white	EV105302			
Frame 55x55mm, 2-gang, anthracite	EV115302			
Frame 55x55mm, 2-gang, silver	EV125302			
Frame 55x55mm, 2-gang, black	EV135302			
Wallmount box, white	EV105306			
Wallmount box, anthracite	EV115306			
Wallmount box, silver	EV125306			
Wallmount box, black	EV135306			
Double Wallmount box, white	EV105307			
Double Wallmount box, anthracite	EV115307			
Double Wallmount box, silver	EV125307			
Double Wallmount box, black	EV135307			

			UAE-design compatible
VISIO S 50	**1 module SFA and SFB**	**2 modules SFA and SFB**	**2 modules SFB**
Carrier insert	EV104005[1]	EV104005[2]	HSED02UWBS
Centralplate 50x50mm, white	EV104003[1]	EV104004[2]	EV104012[3]
Centralplate 50x50mm, anthracite	EV114003[1]	EV114004[2]	EV114012[3]
Centralplate 50x50mm, silver	EV124003[1]	EV124004[2]	EV124012[3]
Frame 50x50mm, 1-gang, white	EV105001		
Frame 50x50mm, 1-gang, anthracite	EV115001		
Frame 50x50mm, 1-gang, silver	EV125001		
Frame 50x50mm, 2-gang, white	EV105002		
Frame 50x50mm, 2-gang, anthracite	EV115002		
Frame 50x50mm, 2-gang, silver	EV125002		
Wallmount box, white	EV105006		
Wallmount box, anthracite	EV115006		
Wallmount box, silver	EV125006		
Double Wallmount box, white	EV105007		
Double Wallmount box, anthracite	EV115007		
Double Wallmount box, silver	EV125007		

1) Cannot be used with coax F-F coupler and FO coupler. For these modules use the carrier insert and the centralplate of HSED01UW2S together with distance adapter EV105011--.
2) Cannot be used with coax F-F coupler and FO coupler. For these modules use the carrier insert and the centralplate of HSED02UW2S together with distance adapter EV105011--.
3) Cannot be used with coax F-F coupler and FO coupler.

VISIO 45	**1 module SFA and SFB**	**2 modules SFA and SFB**
Carrier insert	ET105002	ET105004
Centralplate, white	ET102017[1]	ET102017[1] (2x)
Centralplate, black	ET112017[1]	ET112017[1] (2x)
Frame 45x45mm, white	ET105010	ET105014
Frame 45x45mm, black	ET115010	ET115014
Frame 45x45mm, beige	ET125010	ET125014
Frame 45x45mm, silver	ET135010	ET135014
Wallmount box 2M, weiß	ET105036	
Wallmount box 4M, weiß	ET105037	
Wallmount box 6M, weiß	ET105038	

1) Cannot be used with coax F-F coupler and FO coupler.

Data Outlets 80x80mm Empty for Schrack Format A (SFA) and Schrack Format B (SFB)


HSED01UW2S


HSED02UW2S


HSED03UW2S


HSED02UW1S


HSEDZBES


HSEAP842WF

Schrack-Info

These data-outlets comprise a die-cast zinc housing and are suitable for installation of all SCHRACK modules in Schrack Format A (SFA) and Schrack Format B (SFB).
The outlets come in color RAL9010 pure white and are suitable for cable-duct installation (CI), for flush-mounting (FM) or for surface-mounting (SM) by means of a separate wallmount-box.
Floor-Box-installation (FB) is possible for angled outlets by breaking away 2 fastening lugs.
Each outlet comes with its own paper and window for labelling.
Delivery includes the centralplate, the cover 50x50mm and the frame 80x80mm.
The angled outlets have dust-protection flaps and a Fast On earthing point.
The labeling window is also available as a separate spare-part.
Outlets can be combined with switch-programs by use of a distance-frame.

TOOL LESS | SFA | SFB | STP | UTP | Cat. 6$_A$ | 10GB | Cat. 6 | Cat. 5e

DESCRIPTION	AVAILABLE	ORDER NO.
Data Outlet 80x80mm empty for 1 module (SFA)(SFB), angled, RAL9010 Pure white		**HSED01UW2S**
Data Outlet 80x80mm empty for 2 modules (SFA)(SFB), angled, RAL9010 Pure white		**HSED02UW2S**
Data Outlet 80x80mm empty for 3 modules (SFA)(SFB), angled, RAL9010 Pure white		**HSED03UW2S**
Data Outlet 80x80mm empty for 2 modules (SFA)(SFB), straight, RAL9010 Pure white		**HSED02UW1S**
Paper, window and screws for HSED0xUWyS		**HSEDZBES**
Wallmount Box for HSED0xUWyS, W80xH40xD80mm, RAL9010 Pure white		**HSEAP842WF**

Data Outlet 80x80mm Empty for Schrack Schrack Format B (SFB), UAE-centralplate



HSED02UWBS



HSEAP842WF

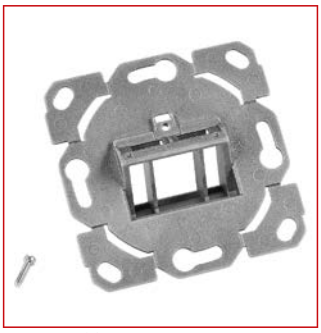
Schrack-Info

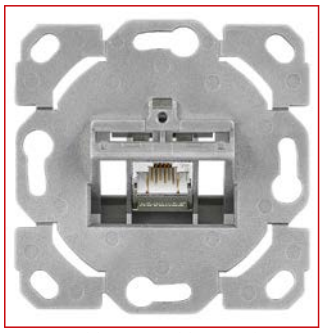
This data-outlet comprise a die-cast zinc housing and is suitable for installation of all SCHRACK modules in Schrack Format B (SFB).
The outlet comes in color RAL9010 Pure white and is suitable for cable-duct installation (CI), for flush-mounting (FM) or for surface-mounting (SM) by means of a separate wallmount-box.
Replacing of cover is possible with all switch-programs that offer UAE-compatible covers.
Each outlet comes with its own paper and window for labelling.
Delivery includes the centralplate, the cover 50x50mm and the frame 80x80mm. When using cover and frame from a switch program, the included cover and frame are removed.
The outlet comes with two Fast On earthing points.
The labeling window is also available as a separate spare-part.
Suitable for UAE covers SCHRACK VISIO S 50 and VISIO S 55, as well as for UAE covers from other switch program vendors.

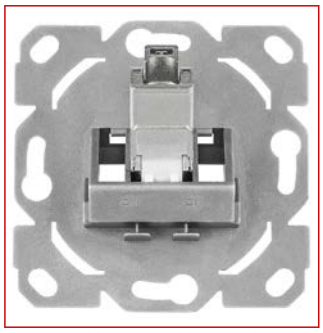
TOOL LESS | SFB | STP | Cat. 6$_A$ | Cat. 6

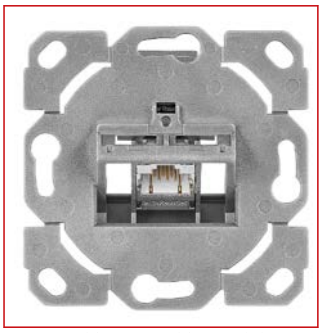
DESCRIPTION	AVAILABLE	ORDER NO.
Data Outlet 80x80mm empty for 2 modules (SFB), angled, RAL9010 pure white, UAE centralplate, Design switch-programme compatible		**HSED02UWBS**
Wallmount Box for HSED0xUWyS, W80xH40xD80mm, RAL9010 Pure white		**HSEAP842WF**

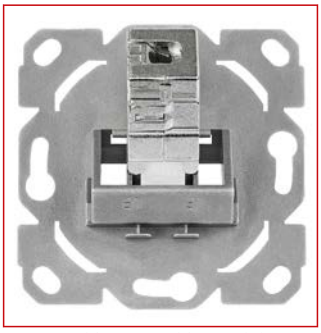
TOOLLESS LINE / VISIO Module insert UAE design for one TOOLLESS LINE Module without Centralplate, without Cover


HSED01UMBS


HSED01UMBS + HSEMRJ6GBA


HSED01UMBS + HSEMRJ6GBA


HSED01UMBS + HSEMRJ6GWA


HSED01UMBS + HSEMRJ6GWA

Schrack-Info

The UAE module insert HSED01UMBS can be equipped with one TOOLLESS LINE (SFA) (SFB) RJ45 module.
The module is inserted into the center of the insert.
Compatible with all common design-compatible switch programs, such as the SCHRACK VISIO S 55 covers and matching frames in pure white, anthracite, silver and black.
One screw (M2.5x8mm) is included.
Suitable for UAE covers SCHRACK VISIO S 55 as well as for UAE covers from other switch program vendors.

TOOL LESS | VISIO | SFA | SFB | STP | Cat. 6$_A$ | 10GB

DESCRIPTION	AVAILABLE	ORDER NO.
Module insert empty for one TOOLLESS LINE Module (SFA) (SFB), angled, UAE Design switchprogramme compatible.		**HSED01UMBS**

Covers VISIO S 55 UAE design


EV104314


EV114314


EV124314


EV134314


EV104312


EV114312


EV124312


EV134312

Schrack-Info

Cover for the module insert HSED01UMBS and the RJ45 data outlet HSED02UWBS.

- 1-gang: Suitable for module insert HSED01UMBS
- 2-gang: Suitable for data outlet HSED02UWBS (cover of data outlet needs to be replaced).

Material: halogen-free plastic.

The cover has a labeling field in order to differentiate individual network circuits from each other.

The cover is fixed to the central plate with a screw located under the labelling field.

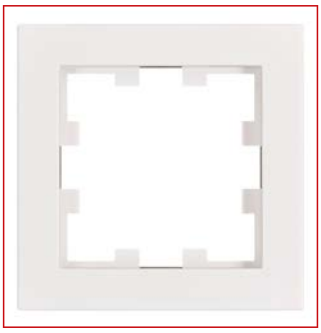
Dimensions: 55x55x15mm

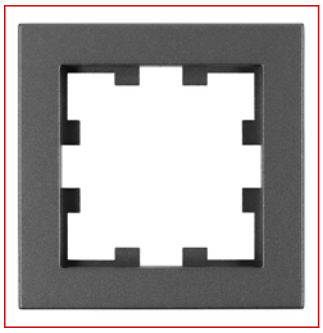
Suitable for frames VISIO S CUBIC

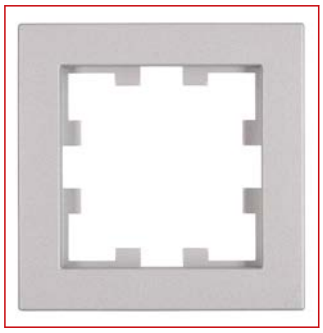
TOOL LESS VISIO S 55

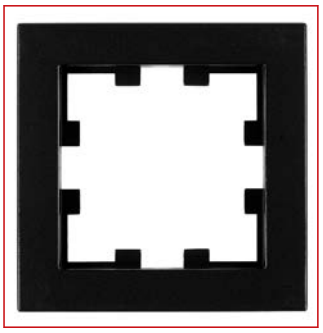
DESCRIPTION	AVAILABLE	ORDER NO.
1-gang, white		**EV104314**
1-gang, anthracite		**EV114314**
1-gang, silver		**EV124314**
1-gang, black		**EV134314**
2-gang, white		**EV104312**
2-gang, anthracite		**EV114312**
2-gang, silver		**EV124312**
2-gang, black		**EV134312**

Single frame Design VISIO S CUBIC


EV105301


EV115301


EV125301


EV135301

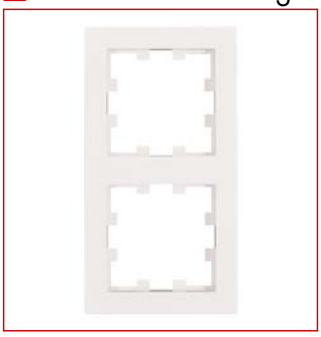
Schrack-Info

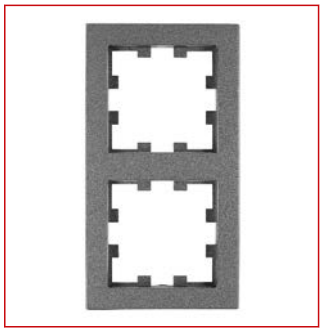
Dimensions: 80x80mm (55x55mm)
Suitable for covers VISIO S 55

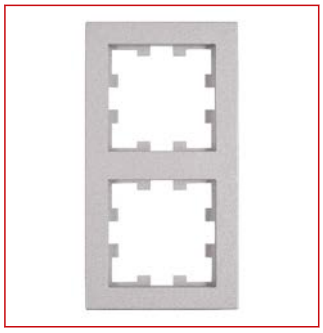
TOOL LESS VISIO S 55

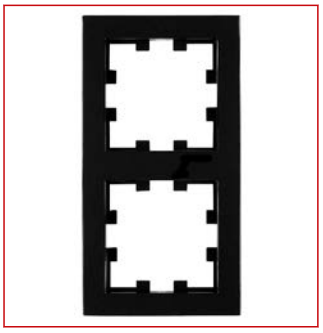
DESCRIPTION	AVAILABLE	ORDER NO.
White		**EV105301**
Anthracite		**EV115301**
Silver		**EV125301**
Black		**EV135301**

Double frame Design VISIO S CUBIC


EV105302


EV115302


EV125302


EV135302

Schrack-Info

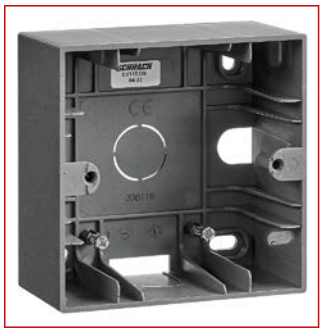
Dimensions: 80x152mm (55x55mm)
Suitable for covers VISIO S 55

TOOL LESS VISIO S 55

DESCRIPTION	AVAILABLE	ORDER NO.
White		**EV105302**
Anthracite		**EV115302**
Silver		**EV125302**
Black		**EV135302**

Wallmount box VISIO S CUBIC one gang


EV105306


EV115306


EV125306


EV135306

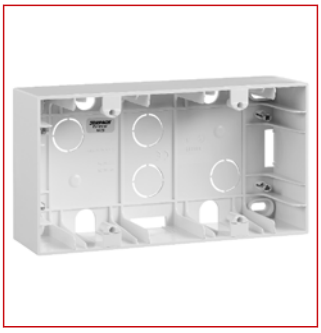
Schrack-Info

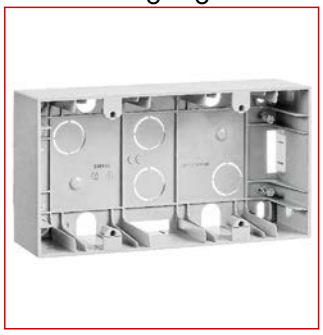
Dimensions: 80x80mm (55x55mm)
Suitable for frame VISIO S CUBIC

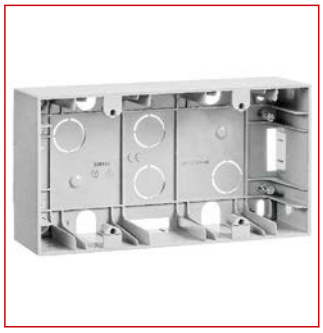
TOOL LESS VISIO S 55

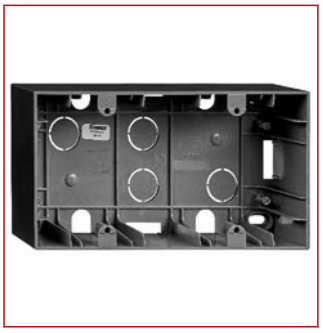
DESCRIPTION	AVAILABLE	ORDER NO.
White		**EV105306**
Anthracite		**EV115306**
Silver		**EV125306**
Black		**EV135306**

Wallmount box VISIO S CUBIC two gang


EV105307


EV115307


EV125307


EV135307

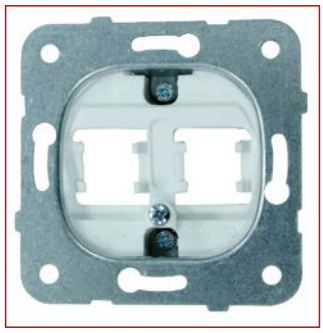
Schrack-Info

Dimensions: 80x152mm (55x55mm)
Suitable for frame VISIO S CUBIC

TOOL LESS VISIO S 55

DESCRIPTION	AVAILABLE	ORDER NO.
White		**EV105307**
Anthracite		**EV115307**
Silver		**EV125307**
Black		**EV135307**

Insert and Covers VISIO S 50 for RJ45 TOOLLESS LINE jacks one gang


EV104005


EV104003


EV114003


EV124003

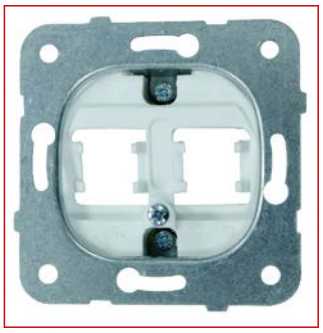
Schrack-Info

Insert and covers for one TOOLLESS LINE module RJ45.
Material: halogen-free plastic.
The network connection integrates particularly elegantly into the switch program thanks to the precise fitting of the cover on the insert.
Fastened to the network insert using a screw supplied.
Dimensions: 50x50x15mm
Suitable for frame VISIO S CLASSIC

TOOL LESS VISIO S 50

DESCRIPTION	AVAILABLE	ORDER NO.
Insert for 2*RJ45 TOOLLESS LINE jack		**EV104005**
1 fold, white		**EV104003**
1 fold, anthracite		**EV114003**
1 fold, silver		**EV124003**

Insert and Covers VISIO S 50 for RJ45 TOOLLESS LINE jacks two gang


EV104005


EV104004


EV114004


EV124004

Schrack-Info

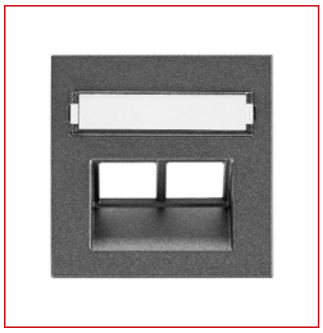
Insert and covers for two TOOLLESS LINE modules RJ45.
Material: halogen-free plastic
The network connection integrates particularly elegantly into the switch program thanks to the precise fitting of the cover on the insert.
Fastened to the network insert using a screw supplied.
Dimensions: 50x50x15mm
Suitable for frame VISIO S CLASSIC.

TOOL LESS VISIO S 50

DESCRIPTION	AVAILABLE	ORDER NO.
Insert for 2*RJ45 TOOLLESS LINE jack		**EV104005**
2 fold, white		**EV104004**
2 fold, anthracite		**EV114004**
2 fold, silver		**EV124004**

Covers VISIO S 50 UAE design


EV104012


EV114012


EV124012

Schrack-Info

Covers for the RJ45 data outlet HSED02UWBS.

- Cover of HSED02UWBS needs to be replaced.

Material: halogen-free plastic.

The cover has a labeling field in order to differentiate individual network circuits from each other.

The cover is fixed to the central plate with a screw located under the labelling field.

Dimensions: 50x50x15mm

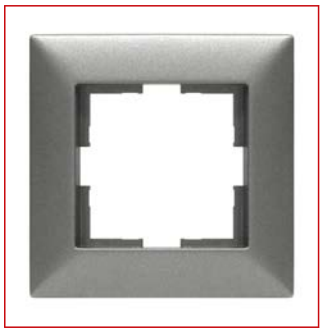
Suitable for the central plate of the UAE data outlet HSED02UWBS and for the VISIO S CLASSIC frame.

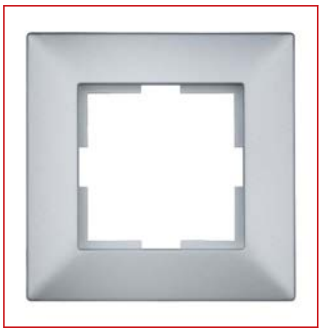
TOOL LESS VISIO S 50

DESCRIPTION	AVAILABLE	ORDER NO.
2-gang, white		**EV104012**
2-gang, anthracite		**EV114012**
2-gang, silver		**EV124012**

Single frame Design VISIO S CLASSIC


EV105001


EV115001


EV125001

Schrack-Info

Dimensions: 83x83mm (50x50mm)
Suitable for covers VISIO S 50

TOOL LESS VISIO S 50

DESCRIPTION	AVAILABLE	ORDER NO.
White		**EV105001**
Anthracite		**EV115001**
Silver		**EV125001**

Double frame Design VISIO S CLASSIC


EV105002


EV115002


EV125002

Schrack-Info

Dimensions: 83x154mm (50x50mm)
Suitable for covers VISIO S 50

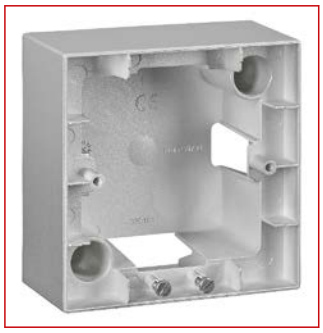
TOOL LESS VISIO S 50

DESCRIPTION	AVAILABLE	ORDER NO.
White		**EV105002**
Anthracite		**EV115002**
Silver		**EV125002**

Wallmount box VISIO S CLASSIC one gang


EV105006


EV115006


EV125006

Schrack-Info

Dimensions: 83x83mm (50x50mm)
Suitable for frame VISIO S CLASSIC

TOOL LESS VISIO S 50

DESCRIPTION	AVAILABLE	ORDER NO.
White		**EV105006**
Anthracite		**EV115006**
Silver		**EV125006**

Wallmount box VISIO S CLASSIC two gang


EV105007


EV115007


EV125007

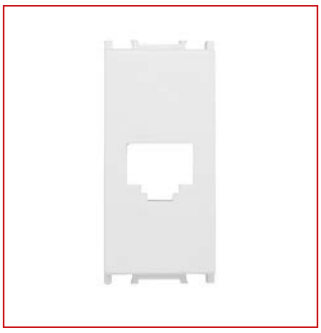
Schrack-Info

Dimensions: 83x154mm (50x50mm)
Suitable for frame VISIO S CLASSIC

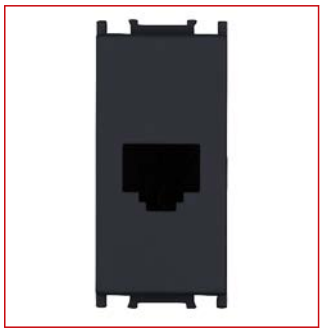
TOOL LESS VISIO S 50

DESCRIPTION	AVAILABLE	ORDER NO.
White		**EV105007**
Anthracite		**EV115007**
Silver		**EV125007**

Covers VISIO 45



ET102017



ET112017

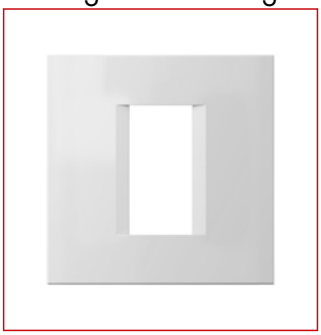
Schrack-Info

Central plate for one RJ45 module (TOOLLESS LINE) made of halogen-free plastic.
The central plate is clipped into the VISIO 45 mounting frame.
Various mounting frames available for up to 7 modules.
Dimensions: 45x22.5mm
Suitable for frame VISIO 45.

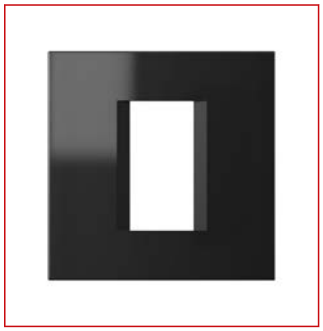
TOOL LESS VISIO

DESCRIPTION	AVAILABLE	ORDER NO.
Without dust protection, white		**ET102017**
Without dust protection, black		**ET112017**

Single frame Design VISIO 45



ET105010



ET115010



ET125010



ET135010

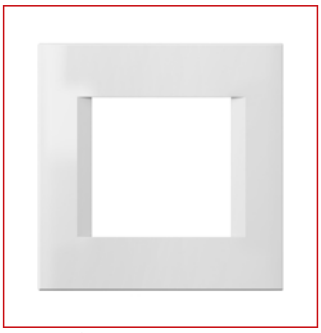
Schrack-Info

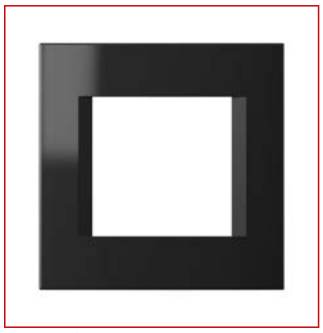
Dimensions: 81x81mm (45x22.5mm)
Suitable for covers VISIO 45

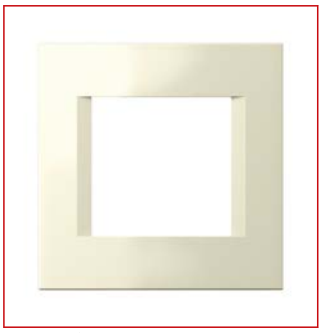
TOOL LESS VISIO

DESCRIPTION	AVAILABLE	ORDER NO.
White, STRAIGHT		**ET105010**
Black, STRAIGHT		**ET115010**
Ivory white, STRAIGHT		ET125010
Silver, STRAIGHT		ET135010

Double frame Design VISIO 45


ET105014


ET115014


ET125014


ET135014

Schrack-Info

Dimensions: 81x81 mm (45x45mm)
Suitable for covers VISIO 45

TOOL LESS VISIO

DESCRIPTION	AVAILABLE	ORDER NO.
White, STRAIGHT		**ET105014**
Black, STRAIGHT		**ET115014**
Ivory white, STRAIGHT		ET125014
Silver, STRAIGHT		**ET135014**

Data Outlets Wallmount Empty for Schrack Format A (SFA) and Schrack Format B (SFB)


HSED01AW3S


HSED02AW3S


HSED04AW3S


HSED06AW3S

Schrack-Info

These wallmount data-outlets are suitable for installation of all SCHRACK TOOLLESS LINE modules RJ45 in Schrack Format A (SFA) and Schrack Format B (SFB).

Included in delivery is a labelling window, marking clips, cable-ties, screws for fixing to the wall and a double-sided adhesive tape.

TOOL LESS | SFA | SFB | STP | UTP | Cat. 6$_A$ | 10GB | Cat. 6 | Cat. 5e

DESCRIPTION	AVAILABLE	ORDER NO.
Wallmount Data Outlet empty for 1 RJ45 module (SFA) (SFB), W46xH30xD65mm, RAL9010 Pure white		**HSED01AW3S**
Wallmount Data Outlet empty for 2 modules (SFA) (SFB), W68xH30xD65mm, RAL9010 Pure white		**HSED02AW3S**
Wallmount Data Outlet empty for 4 RJ45 modules (SFA) (SFB), W118xH30xD85mm, RAL9010 Pure white		**HSED04AW3S**
Wallmount Data Outlet empty for 6 RJ45 modules (SFA) (SFB), W173xH30xD85mm, RAL9010 Pure white		**HSED06AW3S**

Data Outlet Wallmount Empty 12 Port for RJ45-modules Schrack Format A (SFA)


HSED12AW3S

Schrack-Info

The wallmount data-outlet is suitable for installation of all SCHRACK TOOLLESS LINE modules RJ45 in Schrack Format A (SFA).

Included in delivery are cable-ties and screws for fixing to the wall.

Without dust-cover.

Separation: 6 ports each left and right.

Modular construction: One cover with 6 empty ports can be replaced by an additionally included 6x cable-entry cover.

TOOL LESS | SFA | STP | UTP | Cat. 6$_A$ | 10GB | Cat. 6 | Cat. 5e

DESCRIPTION	AVAILABLE	ORDER NO.
Wallmount Data Outlet empty for 12 RJ45 modules (SFA), W172xH38xD122mm, RAL9010 Pure white		**HSED12AW3S**

Data Outlets 45x45mm Empty for Schrack Format A (SFA) and Schrack Format B (SFB)


HSEMD02W2F


HSEMD01W1F


HSEMDZ1W1F


HSEMDR2W0F


HSEMDR4W0F


HSEMDR6W0F


HSEAP842WF


HSEMAP4W3F


HSEMAP6W3F


HSEMHUT001

Schrack-Info

These covers 45x45mm are suitable for installation of all SCHRACK modules in Schrack Format A (SFA) and Schrack Format B (SFB).
The outlets come in color RAL9010 Pure white.
The DIN rail adapter HSEMHUT001 can be used with one cover HSEMD02W2F or two covers HSEMD01W1F.

TOOL LESS | SFA | SFB | STP | UTP | Cat. 6$_A$ | 10GB | Cat. 6 | Cat. 5e

DESCRIPTION	AVAILABLE	ORDER NO.
Cover for 2 modules (SFA)(SFB), 45x45mm, angled, RAL9010 Pure white		**HSEMD02W2F**
Cover for 1 module, 45x22,5mm, straight, RAL9010 Pure white		**HSEMD01W1F**
Blindcover 45x22,5mm, RAL9010 Pure white		**HSEMDZ1W1F**
Frame Single 80x80mm for centralplate 45x45mm, RAL9010 Pure white		**HSEMDR2W0F**
Frame Double 80x148mm for centralplates 45x45mm, RAL9010 Pure white		**HSEMDR4W0F**
Frame Triple 80x205mm for centralplates 45x45mm, RAL9010 Pure white		**HSEMDR6W0F**
Wallmount Box for HSED0xUWyS, W80xH40xD80mm, RAL9010 Pure white		**HSEAP842WF**
Wallmount-Box W148 x H45 x D80mm for HSEMDR4W0F, RAL9010 Pure white		**HSEMAP4W3F**
Wallmount-Box W205 x H45 x D80mm for HSEMDR6W0F, RAL9010 Pure white		**HSEMAP6W3F**
DIN-rail adapter for 45x45 centralplates, RAL9010 Pure white		**HSEMHUT001**

IP44 Data Outlets Wallmount Box Empty for Schrack Format A (SFA) and Schrack Format B (SFB)



HSEIP44APT



HSEIP44AKT



HSEIP44AUT

Schrack-Info

The IP44 wallmount outlet in combination with the IP44 adapter insert is suitable for installation of all SCHRACK modules in Schrack Format A (SFA) and Schrack Format B (SFB).
The outlet comes in color RAL7035 Light grey.
To improve strain relief, we recommend to use the M25/ 2x8 cable gland which has been designed to accommodate two cables with a diameter from 3mm up to 8mm.

TOOL LESS | IP44 | SFA | SFB | STP | UTP | Cat. 6$_A$ | 10GB | Cat. 6 | Cat. 5e

DESCRIPTION	AVAILABLE	ORDER NO.
IP44 Wallmount Box empty, lockable, 90x90x90mm, RAL7035 Light grey		**HSEIP44APT**
IP44 data outlet cable gland M25 for 2 cables 3 - 8mm		**HSEIP44AKT**
IP44 Adapter empty for 2 modules (SFA)(SFB)		**HSEIP44AUT**

IP44 Data Outlets Flushmount Box Empty for Schrack Format A (SFA) and Schrack Format B (SFB)


HSEIP44UPT


HSEIP44UDT


HSEIP44AUT

Schrack-Info

The IP44 flushmount outlet in combination with the IP44 adapter insert is suitable for installation of all SCHRACK modules in Schrack Format A (SFA) and Schrack Format B (SFB).
The outlet comes in color RAL7035 Light grey.
The complete flushmount outlet needs both, the flushmount cover and the flushmount box.

TOOL LESS | IP44 | SFA | SFB | STP | UTP | Cat. 6$_A$ | 10GB | Cat. 6 | Cat. 5e

DESCRIPTION	AVAILABLE	ORDER NO.
IP44 Flushmount cover empty, lockable, 90x35x90mm, RAL7035 Light grey		**HSEIP44UPT**
IP44 Flushmount box for flushmount cover HSEIP44UPT, RAL7035 Light grey		HSEIP44UDT
IP44 Adapter empty for 2 modules (SFA)(SFB)		**HSEIP44AUT**

IP44/IP20 closed/open Data Outlets Wallmount Box Empty for Schrack Format A (SFA) and Schrack Format B (SFB)


HSEIP44AP

Schrack-Info

The robust wallmount box is suitable for installation of two modules in SCHRACK Format A (SFA) or SCHRACK Format B (SFB).
Two openings to break out for cables with a diameter of 7.0 - 9.5mm are located on the back side of the wallmount box.
The module holder reaches the protection class IP20 with the patch cable inserted, and the protection class IP44 in closed condition.

TOOL LESS | IP44 | SFA | SFB | STP | UTP | Cat. 6$_A$ | 10GB | Cat. 6 | Cat. 5e

DESCRIPTION	AVAILABLE	ORDER NO.
IP44/IP20 open/closed Wallmount Box empty for 2 modules (SFA)(SFB) W76xH58xD88mm, Black/Grey		**HSEIP44AP**

DIN-Rail Adapter Empty for Schrack Format A (SFA) and Schrack Format B (SFB)


HSERH010GS


HSERH010GS


HSERH010GS


IK623001


BS990176


BS900107LR

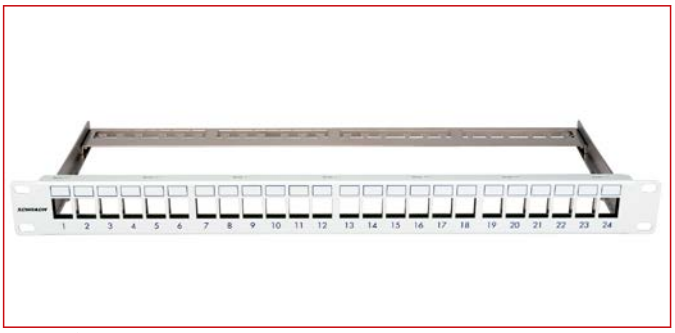
Schrack-Info

The DIN-rail adapter is suitable for installation of all SCHRACK modules in Schrack Format A (SFA) and Schrack Format B (SFB).
The adapter comes in color RAL7035 Light grey.
The width equals to one unit (ca. 17.5mm).
Shielded RJ45 modules are connected to the equipotential bonding terminals during click-in via a spring-type contact.
These terminals can be connected quickly and easily by using the BS990176 Small Connect busbar connection.
Labelling is possible by a paper behind a transparent plastic flap.
A "side cover" is included with every DIN-rail adapter. This is used as contact protection for the outermost adapter in a row.
We recommend using the IK623001 end bracket to securely fix the row of adapters to the DIN-rail.

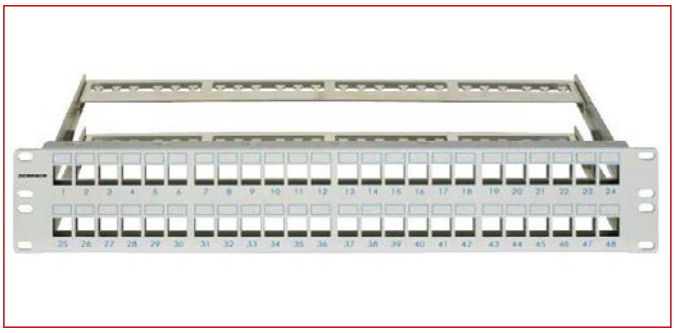
TOOL LESS | DIN rail | SFA | SFB | STP | UTP | Cat. 6$_A$ | 10GB | Cat. 6 | Cat. 5e

DESCRIPTION	AVAILABLE	ORDER NO.
DIN rail adaptor empty for 1 module (SFA)(SFB), RAL7035 Lightgrey		**HSERH010GS**
End holder KD 3 snappable and screwable for TS 35 rail		**IK623001**
Small Connect, Busbar 1-pole, 1m, 1MW, Phase		**BS990176**
Busbar end caps, left and right, gray, for 1-pole-busbar BS990170		**BS900107LR**

Patchpanels 19" Empty for Schrack Format A (SFA) and Schrack Format B (SFB)



HSER0240GS



HSER0480GS



HSEMRZ01WF

Schrack-Info

These patchpanels 19" are suitable for installation of all SCHRACK modules in Schrack Format A (SFA) and Schrack Format B (SFB).
The patchpanels come in color RAL7035 Light grey.
Included in delivery are the installation materials (cable-ties, cage nuts with screws, potential equalisation cable) and a rigid cable-guide.
Direction of patchcords with clips down.
The blindcover is shipped in packaging-units 25 pieces each (25, 50, 75, ...).

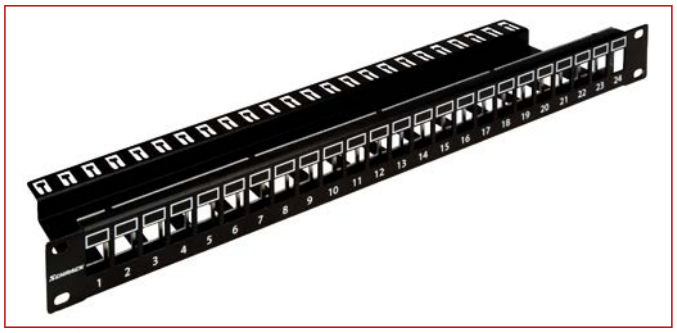
TOOL LESS | 19" | SFA | SFB | STP | UTP | Cat. 6$_A$ | 10GB | Cat. 6 | Cat. 5e

DESCRIPTION	AVAILABLE	ORDER NO.
Patchpanel 19" empty for 24 modules (SFA)(SFB), 1U, RAL7035 Light grey, patchcord lock down		**HSER0240GS**
Patchpanel 19" empty for 48 modules (SFA)(SFB), 2U, RAL7035 Light grey, patchcord lock down		**HSER0480GS**
Blind cover for unused patchpanel ports, RAL9010 Pure white		**HSEMRZ01WF**

Patchpanels 19" Empty for Schrack Format A (SFA) and Schrack Format B (SFB), One-piece Design



HSER0240GP



HSER0240SP



HSER0240GV



HSEMRZ01WF



HSEMRZ01WB

Schrack-Info

These patchpanels 19" are suitable for installation of all SCHRACK modules in Schrack Format A (SFA) and Schrack Format B (SFB).

- Exception: The HSEMRJ6GWS module does not fit into the HSER0240GV panel.

The patchpanels come in color RAL7035 Light grey or RAL9005 Black.

Included in delivery are the installation materials (cable-ties, cage nuts with screws, potential equalisation cable) and a rigid cable-guide.

Single-piece design.

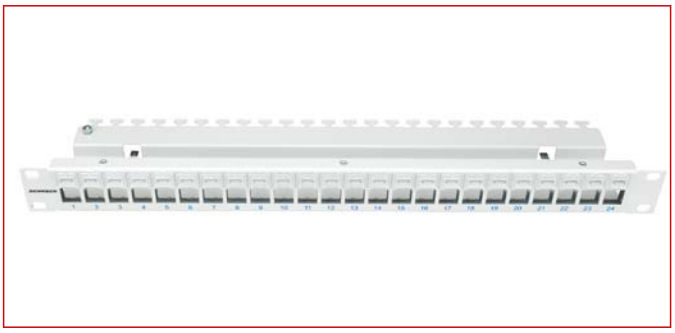
Direction of patchcords depending on version with clips down or top.

The blindcover is shipped in packaging-units 25 pieces each (25, 50, 75, ...).

TOOL LESS | 19" | SFA | SFB | STP | UTP | Cat. 6$_A$ | 10GB | Cat. 6 | Cat. 5e

DESCRIPTION	AVAILABLE	ORDER NO.
Patchpanel 19" empty for 24 modules (SFA)(SFB), 1U, RAL7035 Light grey, single-piece design, patchcord lock down		**HSER0240GP**
Patchpanel 19" empty for 24 modules (SFA)(SFB), 1U, RAL9005 Black, single-piece design, patchcord lock down		**HSER0240SP**
Patchpanel 19" empty for 24 modules (SFA)(SFB), 1U, RAL7035 Light grey, single-piece design, patchcord lock top		**HSER0240GV**
Blind cover for unused patchpanel ports, RAL9010 Pure white		**HSEMRZ01WF**
Blind cover for unused patchpanel ports, RAL9005 Black		**HSEMRZ01WB**

Patchpanels 19" Empty for Schrack Format A (SFA) and Schrack Format B (SFB), One-piece Design, incl. Labeling Fields



HSER0240GZ



HSEMRZ01WF

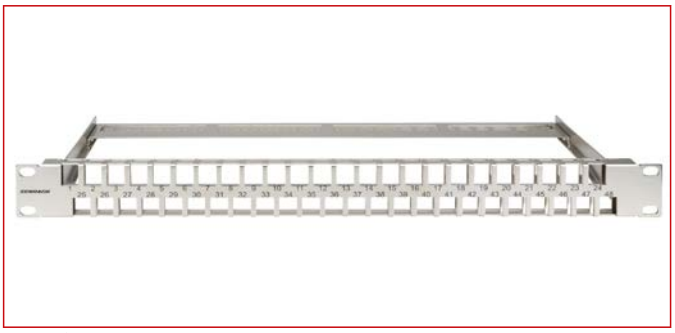
Schrack-Info

The patchpanel 19" is suitable for installation of all SCHRACK modules in Schrack Format A (SFA) and Schrack Format B (SFB).
The patchpanel comes in color RAL7035 Light grey and it has 24 transparent, hinged labelling windows for inserting labels 14.3 x 8.5mm.
Included in delivery are an A4 sheet having 396 precut labels and the installation materials (cable-ties, cage nuts with screws, potential equalisation cable) and a rigid cable-guide.
An Excel-template for printing labels on standard (Office-) printer is available free-of-charge in SCHRACK Webshop → Download area HSER0240GZ.
Single-piece design.
Direction of patchcords with clips top.The blindcover is shipped in packaging-units 25 pieces each (25, 50, 75, ...).

TOOL LESS | 19" | SFA | SFB | STP | UTP | Cat. 6$_A$ | 10GB | Cat. 6 | Cat. 5e

DESCRIPTION	AVAILABLE	ORDER NO.
Patchpanel 19" empty for 24 modules (SFA)(SFB), 1U, with labeling fields, RAL7035 Light grey, single-piece design, patchcord lock top		**HSER0240GZ**
Blind cover for unused patchpanel ports, RAL9010 Pure white		**HSEMRZ01WF**

Patchpanels High Density 19" Empty for Schrack Format B (SFB)



HSER0480SB



HSEMRZ01WF

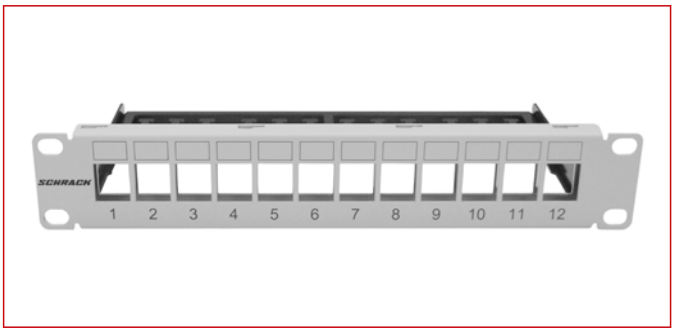
Schrack-Info

The High Density patchpanel 19" is suitable for installation of all SCHRACK modules in Schrack Format B (SFB) and for the unshielded Cat.6A jacks HEKFMAUGIx.
High packing density of 48 ports in a single heightunit.
Made from high-quality stainless steel.
Included in delivery are the installation materials (cable-ties, cage nuts with screws, potential equalisation cable) and a rigid cable-guide in the rear.
The blindcover is shipped in packaging-units 25 pieces each (25, 50, 75, ...).

TOOL LESS | 19" | SFB | STP | Cat. 6$_A$ | Cat.6A | Cat. 6

DESCRIPTION	AVAILABLE	ORDER NO.
Patchpanel 19" empty for 48 modules (SFB), 1U, stainless steel, High Density		**HSER0480SB**
Blind cover for unused patchpanel ports, RAL9010 Pure white		**HSEMRZ01WF**

Patchpanel 10" Empty for Schrack Format A (SFA) and Schrack Format B (SFB)



HSER0120GS



HSEMRZ01WF

Schrack-Info

The patchpanel 10" is suitable for installation of all SCHRACK modules in Schrack Format A (SFA) and Schrack Format B (SFB).
The patchpanel comes in color RAL7035 Light grey.
Included in delivery are the installation materials (cable-ties, cage nuts with screws, potential equalisation cable) and a rigid cable-guide.
Direction of patchcords with clips down.
The blindcover is shipped in packaging-units 25 pieces each (25, 50, 75, ...).

TOOL LESS | 10" | SFA | SFB | STP | UTP | Cat. 6$_A$ | 10GB | Cat. 6 | Cat. 5e

DESCRIPTION	AVAILABLE	ORDER NO.
Patchpanel 10" empty for 12 modules (SFA)(SFB), 1U, RAL7035 Light grey, patchcord lock down		**HSER0120GS**
Blind cover for unused patchpanel ports, RAL9010 Pure white		**HSEMRZ01WF**

Patchpanel Desktop Empty for Schrack Format A (SFA) and Schrack Format B (SFB)



HSER0080GV



HSERHUTADA

Schrack-Info

This desktop patchpanel is suitable for installation of all SCHRACK modules in Schrack Format A (SFA) and Schrack Format B (SFB).
The patchpanel comes in color RAL7035 Light grey.
The patchpanel kann be fixed to a wall.
Available accessories are adapter-clips (1PU = 2 pieces), which are needed to fix the patchpanel to a DIN-rail.

TOOL LESS | SFA | SFB | STP | UTP | Cat. 6$_A$ | 10GB | Cat. 6 | Cat. 5e

DESCRIPTION	AVAILABLE	ORDER NO.
Patchpanel Desktop empty for 8 modules (SFA)(SFB), RAL7035 Light grey		**HSER0080GV**
DIN-rail mounting clips (2 pieces) for HSERG086GV/HSER0080GV		**HSERHUTADA**

Tools



HTOOL00002



HTOOL00003



HTOOL00005

Schrack-Info

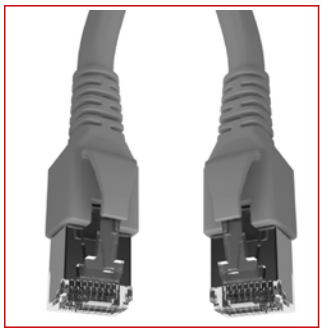
A flat side cutter is needed to cut the copper wires of the installation cable correctly when installing TOOLLESS LINE modules.

TOOL LESS | SFA | SFB | STP | UTP | Cat. 6$_A$ | 10GB | Cat. 6 | Cat. 5e

DESCRIPTION	AVAILABLE	ORDER NO.
Side cutter flat for wire up to 1.3mm diameter		**HTOOL00002**
Side cutter flat for wire up to 1.0mm diameter		**HTOOL00003**
Cable Stripper for Jacket and Foil of Installationcables		**HTOOL00005**

Patchcords RJ45 Shielded Cat.6$_A$


H6GTG02K0G


H6GTG02K0G


H6GTB02K0B

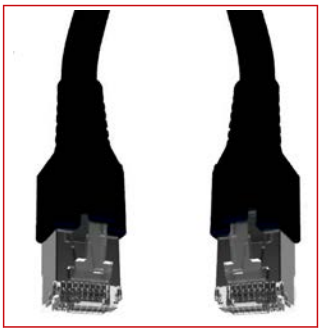

H6GTR02K0R


H6GTY02K0Y


H6GTU02K0U


H6GTN02K0N


H6GTV02K0V


H6GTS02K0S


H6GTW02K0W

Schrack-Info

Patchcords for generic, structured network cabling systems.
Support all applications requiring Class D to Class E$_A$ (e.g. 100Base-TX, ATM) as well as 10GBase-T, 1000Base-T and VoIP, PoE+.
Patchcord with moulded boot in matching cable color.
Pin assignment 1:1.

TOOL LESS | S/FTP | Cat. 6$_A$ | 10GB | LSOH | 9

DESCRIPTION	AVAILABLE	ORDER NO.
Grey		
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 0.33m		**H6GTG00K3G**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 0.5m		**H6GTG00K5G**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 1.0m		**H6GTG01K0G**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 2.0m		**H6GTG02K0G**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 3.0m		**H6GTG03K0G**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 5.0m		**H6GTG05K0G**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 7.0m		**H6GTG07K0G**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 10.0m		**H6GTG10K0G**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 15.0m		**H6GTG15K0G**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 20.0m		**H6GTG20K0G**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 30.0m		**H6GTG30K0G**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 50.0m		**H6GTG50K0G**

Patchcords RJ45 Shielded Cat.6$_A$

DESCRIPTION	AVAILABLE	ORDER NO.
Blue		
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, blue, 0.5m		H6GTB00K5B
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, blue, 1.0m		H6GTB01K0B
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, blue, 2.0m		H6GTB02K0B
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, blue, 3.0m		H6GTB03K0B
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, blue, 5.0m		H6GTB05K0B
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, blue, 7.0m		H6GTB07K0B
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, blue, 10.0m		H6GTB10K0B
Red		
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, red, 0.5m		H6GTR00K5R
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, red, 1.0m		H6GTR01K0R
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, red, 2.0m		H6GTR02K0R
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, red, 3.0m		H6GTR03K0R
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, red, 5.0m		H6GTR05K0R
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, red, 7.0m		H6GTR07K0R
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, red, 10.0m		H6GTR10K0R
Yellow		
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, yellow, 0.5m		H6GTY00K5Y
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, yellow, 1.0m		H6GTY01K0Y
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, yellow, 2.0m		H6GTY02K0Y
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, yellow, 3.0m		H6GTY03K0Y
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, yellow, 5.0m		H6GTY05K0Y
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, yellow, 7.0m		H6GTY07K0Y
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, yellow, 10.0m		H6GTY10K0Y
Green		
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, green, 0.5m		H6GTU00K5U
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, green, 1.0m		H6GTU01K0U
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, green, 2.0m		H6GTU02K0U
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, green, 3.0m		H6GTU03K0U
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, green, 5.0m		H6GTU05K0U
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, green, 7.0m		H6GTU07K0U
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, green, 10.0m		H6GTU10K0U
Orange		
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, orange, 0.5m		H6GTN00K5N
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, orange, 1.0m		H6GTN01K0N
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, orange, 2.0m		H6GTN02K0N
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, orange, 3.0m		H6GTN03K0N
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, orange, 5.0m		H6GTN05K0N
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, orange, 7.0m		H6GTN07K0N
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, orange, 10.0m		H6GTN10K0N
Ericaviolet		
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, erikaviolet, 0.5m		H6GTV00K5V
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, erikaviolet, 1.0m		H6GTV01K0V
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, erikaviolet, 2.0m		H6GTV02K0V
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, erikaviolet, 3.0m		H6GTV03K0V
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, erikaviolet, 5.0m		H6GTV05K0V
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, erikaviolet, 7.0m		H6GTV07K0V

Patchcords RJ45 Shielded Cat.6$_A$

DESCRIPTION	AVAILABLE	ORDER NO.
Ericaviolet		
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, erikaviolet, 10.0m		**H6GTV10K0V**
Black		
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, black, 0.5m		**H6GTS00K5S**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, black, 1.0m		**H6GTS01K0S**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, black, 2.0m		**H6GTS02K0S**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, black, 3.0m		**H6GTS03K0S**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, black, 5.0m		**H6GTS05K0S**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, black, 7.0m		**H6GTS07K0S**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, black, 10.0m		**H6GTS10K0S**
White		
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, white, 0.5m		**H6GTW00K5W**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, white, 1.0m		**H6GTW01K0W**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, white, 2.0m		**H6GTW02K0W**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, white, 3.0m		**H6GTW03K0W**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, white, 5.0m		**H6GTW05K0W**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, white, 7.0m		**H6GTW07K0W**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, white, 10.0m		**H6GTW10K0W**

LED Patchcords RJ45 Shielded Cat.6$_A$


H6GSG02K0G


H6GSG02K0G


H6GSB02K0B


H6GSR02K0R


H6GSY02K0Y


H6GSU02K0U


H6GSA02K0A

Schrack-Info

Patchcords for generic, structured network cabling systems.
Support all applications requiring Class D to Class E$_A$ (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.
On the RJ45 connector of the LED patchcord, there are two contacts for the Patchfinder tool.
By connecting the Patchfinder to the contacts, the boots at both ends of the LED patchcord start to light.
Thus the patching is easily identified.
During Light-functionality, Data-transmission remains stable and is not affected.
Pin assignment 1:1.

TOOL LESS | LED | S/FTP | Cat. 6$_A$ | 10GB | LSOH | 6

DESCRIPTION	AVAILABLE	ORDER NO.
Grey		
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 0.33m		**H6GSG00K3G**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 0.5m		**H6GSG00K5G**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 1.0m		**H6GSG01K0G**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 2.0m		**H6GSG02K0G**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 3.0m		**H6GSG03K0G**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 5.0m		**H6GSG05K0G**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 7.0m		**H6GSG07K0G**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 10.0m		**H6GSG10K0G**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 15.0m		**H6GSG15K0G**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 20.0m		**H6GSG20K0G**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 30.0m		**H6GSG30K0G**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 50.0m		**H6GSG50K0G**
Blue		
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, blue, 0.5m		**H6GSB00K5B**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, blue, 1.0m		**H6GSB01K0B**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, blue, 2.0m		**H6GSB02K0B**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, blue, 3.0m		**H6GSB03K0B**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, blue, 5.0m		**H6GSB05K0B**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, blue, 7.0m		H6GSB07K0B

LED Patchcords RJ45 Shielded Cat.6$_A$

DESCRIPTION	AVAILABLE	ORDER NO.
Blue		
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, blue, 10.0m		**H6GSB10K0B**
Red		
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, red, 0.5m		**H6GSR00K5R**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, red, 1.0m		**H6GSR01K0R**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, red, 2.0m		**H6GSR02K0R**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, red, 3.0m		**H6GSR03K0R**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, red, 5.0m		**H6GSR05K0R**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, red, 7.0m		**H6GSR07K0R**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, red, 10.0m		H6GSR10K0R
Yellow		
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, yellow, 0.5m		**H6GSY00K5Y**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, yellow, 1.0m		**H6GSY01K0Y**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, yellow, 2.0m		**H6GSY02K0Y**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, yellow, 3.0m		**H6GSY03K0Y**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, yellow, 5.0m		**H6GSY05K0Y**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, yellow, 7.0m		**H6GSY07K0Y**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, yellow, 10.0m		**H6GSY10K0Y**
Green		
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, green, 0.5m		**H6GSU00K5U**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, green, 1.0m		**H6GSU01K0U**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, green, 2.0m		**H6GSU02K0U**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, green, 3.0m		**H6GSU03K0U**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, green, 5.0m		**H6GSU05K0U**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, green, 7.0m		**H6GSU07K0U**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, green, 10.0m		**H6GSU10K0U**
Aqua		
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, aqua, 0.5m		H6GSA00K5A
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, aqua, 1.0m		H6GSA01K0A
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, aqua, 2.0m		H6GSA02K0A
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, aqua, 3.0m		H6GSA03K0A
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, aqua, 5.0m		H6GSA05K0A
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, aqua, 7.0m		H6GSA07K0A
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, aqua, 10.0m		H6GSA10K0A

Patchfinder Light Injector for LED Patchcords



HLEDTOOL1



HLEDTOOL

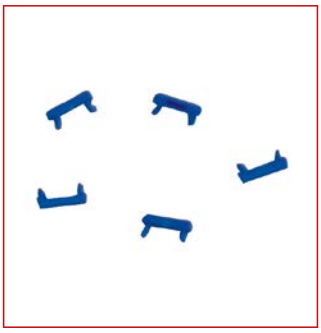
TOOL LESS LED

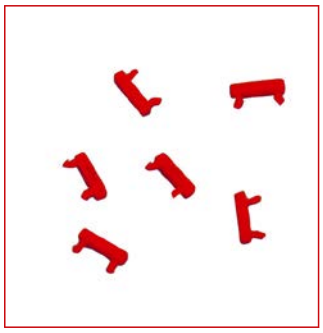
Schrack-Info

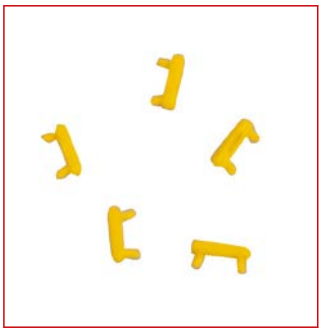
The Patchfinder is a power-supply, which activates the light of the LEDs of the LED patchcords.
Three operational modi are available: Permanent light, slow and quick flashing.
There is a mechanical reverse voltage protection included.
HLEDTOOL: Batteries are included in delivery (4 x LR41).
HLEDTOOL1: Thanks to the built-in lithium-ion battery, a long working life and durability is guaranteed. The required USB charging cable is included.

DESCRIPTION	AVAILABLE	ORDER NO.
Patchfinder Light Injector for LED patchcords		**HLEDTOOL**
LED Detector Pro for LED patchcords, with rechargeable battery and USB charging cable		**HLEDTOOL1**

Colored Marking Clips for LED Patchcords


HLEDCLIPB


HLEDCLIPR


HLEDCLIPY


HLEDCLIPU

Schrack-Info

An additional idenfication feature is realised by use of the different color-coding clips.
Different services can be marked by the colors blue, red, yellow and green.

DESCRIPTION	AVAILABLE	ORDER NO.
Marking clip for color coding for LED patchcord, blue, 100 pcs.		HLEDCLIPB
Marking clip for color coding for LED patchcord, red, 100 pcs.		HLEDCLIPR
Marking clip for color coding for LED patchcord, yellow, 100 pcs.		HLEDCLIPY
Marking clip for color coding for LED patchcord, green, 100 pcs.		HLEDCLIPU

Push Pull Patchcords RJ45 Shielded Cat.6$_A$


H6GPG01K0G


H6GPG01K0G


H6GPG01K0G


H6GPG01K0G


H6GPG01K0G


H6GPG01K0G

Schrack-Info

PushPull patchcords RJ45 / RJ45, Shielded 1: 1 assignment with molded boot including PushPull unlocking.
With this RJ45 plug there is no longer need to press the small latch lever on the RJ45 jack for unlocking, but merely pulled the boot.
The PushPull locking works with any standard RJ45 jack and outlet.
The push-pull patchcords easiers patching in tightly packed data center enclosures, in hard to reach Consolidation Points or outlets in a floor box.
The connectors are optimized for use in high density Ethernet switches.
By Dualboot® encapsulation optimal strain relief is achieved and simultaneously excluded from catching the latch lever.
The cable used has Foil Shield and 360° Shielded RJ45 plugs and thus offers highest level of data security.

TOOL LESS | Push Pull | S/FTP | Cat. 6$_A$ | 10GB | LSOH | 1

DESCRIPTION	AVAILABLE	ORDER NO.
Grey		
Push Pull Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 0.5m		**H6GPG00K5G**
Push Pull Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 1.0m		**H6GPG01K0G**
Push Pull Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 1.5m		**H6GPG01K5G**
Push Pull Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 2.0m		**H6GPG02K0G**
Push Pull Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 3.0m		**H6GPG03K0G**
Push Pull Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 5.0m		**H6GPG05K0G**
Push Pull Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 10.0m		**H6GPG10K0G**

SLIM Patchcords U/FTP Cat.6$_A$, AWG32, LS0H


H6GYG00K1B


H6GYG00K1B

Schrack-Info

Patchcords for generic, structured network cabling systems.
Support all applications requiring Class D to Class E$_A$ (e.g. 100Base-TX, ATM) as well as 10GBase-T, 1000Base-T and VoIP, 4PPoE.
Grey Patchcord with moulded boot in the color blue.

- Short booth particularly suitable for IP cameras, IP telephones, etc.
- Thin cable diameter: just 3,9 ± 0,2mm
- Pin assignment: 1:1
- Wire: AWG32/7
- 4PPoE 100W capable up to 9m
- Environmental friendly packaging with paper loop saves 80% plastics

TOOL LESS | SLIM | U/FTP | Cat. 6$_A$ | LS0H | 1

DESCRIPTION	AVAILABLE	ORDER NO.
Grey		
SLIM Patchcords Round U/FTP Cat.6$_A$, 4PPoE 100W, AWG32, LS0H, grey, 0,15m		**H6GYG00K1B**
SLIM Patchcords Round U/FTP Cat.6$_A$, 4PPoE 100W, AWG32, LS0H, grey, 0,35m		**H6GYG00K3B**
SLIM Patchcords Round U/FTP Cat.6$_A$, 4PPoE 100W, AWG32, LS0H, grey, 0,5m		**H6GYG00K5B**
SLIM Patchcords Round U/FTP Cat.6$_A$, 4PPoE 100W, AWG32, LS0H, grey, 1,0m		**H6GYG01K0B**
SLIM Patchcords Round U/FTP Cat.6$_A$, 4PPoE 100W, AWG32, LS0H, grey, 2,0m		**H6GYG02K0B**
SLIM Patchcords Round U/FTP Cat.6$_A$, 4PPoE 100W, AWG32, LS0H, grey, 3,0m		**H6GYG03K0B**
SLIM Patchcords Round U/FTP Cat.6$_A$, 4PPoE 100W, AWG32, LS0H, grey, 5,0m		**H6GYG05K0B**

Patchcords RJ45 Shielded Cat.6


H6GLG02K0G


H6GLG02K0G


H6GLB02K0B


H6GLR02K0R


H6GLY02K0Y


H6GLU02K0U

Schrack-Info

Patchcords for generic, structured network cabling systems.
Support all applications requiring Class D to Class E (e.g. 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.
Patchcord with moulded boot in matching cable color.
Pin assignment 1:1.

TOOL LESS | S/FTP | Cat. 6 | PVC | 5

DESCRIPTION	AVAILABLE	ORDER NO.
Grey		
RJ45 patchcord Cat.6A shielded PVC, grey, 0.5 m		H6GLG00K5G
Patchcord RJ45 shielded Cat.6, PVC, grey, 1.0m		H6GLG01K0G
Patchcord RJ45 shielded Cat.6, PVC, grey, 2.0m		H6GLG02K0G
Patchcord RJ45 shielded Cat.6, PVC, grey, 3.0m		H6GLG03K0G
Patchcord RJ45 shielded Cat.6, PVC, grey, 5.0m		H6GLG05K0G
Patchcord RJ45 shielded Cat.6, PVC, grey, 7.0m		H6GLG07K0G
Patchcord RJ45 shielded Cat.6, PVC, grey, 10.0m		H6GLG10K0G
Patchcord RJ45 shielded Cat.6, PVC, grey, 15.0m		H6GLG15K0G
Patchcord RJ45 shielded Cat.6, PVC, grey, 20.0m		H6GLG20K0G
Blue		
RJ45 patchcord Cat.6A shielded PVC, blue, 0.5 m		H6GLB00K5B
Patchcord RJ45 shielded Cat.6, PVC, blue, 1.0m		H6GLB01K0B
Patchcord RJ45 shielded Cat.6, PVC, blue, 2.0m		H6GLB02K0B
Patchcord RJ45 shielded Cat.6, PVC, blue, 3.0m		H6GLB03K0B
Patchcord RJ45 shielded Cat.6, PVC, blue, 5.0m		H6GLB05K0B
Patchcord RJ45 shielded Cat.6, PVC, blue, 10.0m		H6GLB10K0B
Red		
RJ45 patchcord Cat.6A shielded PVC, red, 0.5 m		H6GLR00K5R
Patchcord RJ45 shielded Cat.6, PVC, red, 1.0m		H6GLR01K0R
Patchcord RJ45 shielded Cat.6, PVC, red, 2.0m		H6GLR02K0R
Patchcord RJ45 shielded Cat.6, PVC, red, 3.0m		H6GLR03K0R
Patchcord RJ45 shielded Cat.6, PVC, red, 5.0m		H6GLR05K0R
Patchcord RJ45 shielded Cat.6, PVC, red, 10.0m		H6GLR10K0R

Patchcords RJ45 Shielded Cat.6

DESCRIPTION	AVAILABLE	ORDER NO.
Yellow		
Patchcord RJ45 shielded Cat.6, PVC, yellow, 0.5m		**H6GLY00K5Y**
Patchcord RJ45 shielded Cat.6, PVC, yellow, 1.0m		**H6GLY01K0Y**
Patchcord RJ45 shielded Cat.6, PVC, yellow, 2.0m		**H6GLY02K0Y**
Patchcord RJ45 shielded Cat.6, PVC, yellow, 3.0m		**H6GLY03K0Y**
Patchcord RJ45 shielded Cat.6, PVC, yellow, 5.0m		**H6GLY05K0Y**
Patchcord RJ45 shielded Cat.6, PVC, yellow, 10.0m		**H6GLY10K0Y**
Green		
Patchcord RJ45 shielded Cat.6, PVC, green, 0.5m		**H6GLU00K5U**
Patchcord RJ45 shielded Cat.6, PVC, green, 1.0m		**H6GLU01K0U**
Patchcord RJ45 shielded Cat.6, PVC, green, 2.0m		**H6GLU02K0U**
Patchcord RJ45 shielded Cat.6, PVC, green, 3.0m		**H6GLU03K0U**
Patchcord RJ45 shielded Cat.6, PVC, green, 5.0m		**H6GLU05K0U**
Patchcord RJ45 shielded Cat.6, PVC, green, 10.0m		**H6GLU10K0U**

Patchcords RJ45 Shielded Cat.5e


H5GLG02K0G


H5GLG02K0G


H5GLB02K0B


H5GLR02K0R


H5GLY02K0Y


H5GLU02K0U

Schrack-Info

Patchcords for generic, structured network cabling systems.
Support all applications requiring Class D (e.g. 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.
Patchcord with moulded boot in matching cable color.
Pin assignment 1:1.

TOOL LESS | SF/UTP | Cat. 5e | PVC | 5

DESCRIPTION	AVAILABLE	ORDER NO.
Grey		
Patchcord RJ45 shielded Cat.5e, PVC, grey, 0.5m		**H5GLG00K5G**
Patchcord RJ45 shielded Cat.5e, PVC, grey, 1.0m		**H5GLG01K0G**
Patchcord RJ45 shielded Cat.5e, PVC, grey, 2.0m		**H5GLG02K0G**
Patchcord RJ45 shielded Cat.5e, PVC, grey, 3.0m		**H5GLG03K0G**
Patchcord RJ45 shielded Cat.5e, PVC, grey, 5.0m		**H5GLG05K0G**
Patchcord RJ45 shielded Cat.5e, PVC, grey, 7.0m		**H5GLG07K0G**
Patchcord RJ45 shielded Cat.5e, PVC, grey, 10.0m		**H5GLG10K0G**
Patchcord RJ45 shielded Cat.5e, PVC, grey, 15.0m		**H5GLG15K0G**
Patchcord RJ45 shielded Cat.5e, PVC, grey, 20.0m		**H5GLG20K0G**
Blue		
Patchcord RJ45 shielded Cat.5e, PVC, blue, 0.5m		**H5GLB00K5B**
Patchcord RJ45 shielded Cat.5e, PVC, blue, 1.0m		**H5GLB01K0B**
Patchcord RJ45 shielded Cat.5e, PVC, blue, 2.0m		**H5GLB02K0B**
Patchcord RJ45 shielded Cat.5e, PVC, blue, 3.0m		**H5GLB03K0B**
Patchcord RJ45 shielded Cat.5e, PVC, blue, 5.0m		**H5GLB05K0B**
Patchcord RJ45 shielded Cat.5e, PVC, blue, 7.0m		**H5GLB07K0B**
Patchcord RJ45 shielded Cat.5e, PVC, blue, 10.0m		**H5GLB10K0B**
Red		
Patchcord RJ45 shielded Cat.5e, PVC, red, 0.5m		**H5GLR00K5R**
Patchcord RJ45 shielded Cat.5e, PVC, red, 1.0m		**H5GLR01K0R**
Patchcord RJ45 shielded Cat.5e, PVC, red, 2.0m		**H5GLR02K0R**
Patchcord RJ45 shielded Cat.5e, PVC, red, 3.0m		**H5GLR03K0R**
Patchcord RJ45 shielded Cat.5e, PVC, red, 5.0m		**H5GLR05K0R**
Patchcord RJ45 shielded Cat.5e, PVC, red, 7.0m		**H5GLR07K0R**
Patchcord RJ45 shielded Cat.5e, PVC, red, 10.0m		**H5GLR10K0R**
Yellow		
Patchcord RJ45 shielded Cat.5e, PVC, yellow, 0.5m		**H5GLY00K5Y**
Patchcord RJ45 shielded Cat.5e, PVC, yellow, 1.0m		**H5GLY01K0Y**

Patchcords RJ45 Shielded Cat.5e

DESCRIPTION	AVAILABLE	ORDER NO.
Yellow		
Patchcord RJ45 shielded Cat.5e, PVC, yellow, 2.0m		**H5GLY02K0Y**
Patchcord RJ45 shielded Cat.5e, PVC, yellow, 3.0m		**H5GLY03K0Y**
Patchcord RJ45 shielded Cat.5e, PVC, yellow, 5.0m		**H5GLY05K0Y**
Patchcord RJ45 shielded Cat.5e, PVC, yellow, 7.0m		**H5GLY07K0Y**
Patchcord RJ45 shielded Cat.5e, PVC, yellow, 10.0m		**H5GLY10K0Y**
Green		
Patchcord RJ45 shielded Cat.5e, PVC, green, 0.5m		**H5GLU00K5U**
Patchcord RJ45 shielded Cat.5e, PVC, green, 1.0m		**H5GLU01K0U**
Patchcord RJ45 shielded Cat.5e, PVC, green, 2.0m		**H5GLU02K0U**
Patchcord RJ45 shielded Cat.5e, PVC, green, 3.0m		**H5GLU03K0U**
Patchcord RJ45 shielded Cat.5e, PVC, green, 5.0m		**H5GLU05K0U**
Patchcord RJ45 shielded Cat.5e, PVC, green, 7.0m		**H5GLU07K0U**
Patchcord RJ45 shielded Cat.5e, PVC, green, 10.0m		**H5GLU10K0U**

Patchcords RJ45 Unshielded Cat.6$_A$


H6UTG02K0G


H6UTG02K0G


H6UTG02K0G

Schrack-Info

Patchcords for generic, structured network cabling systems.
Support all applications requiring Class D to Class E$_A$ (e.g. 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.
Patchcord with moulded boot in matching cable color.
Pin assignment 1:1.

TOOL LESS | U/UTP | Cat. 6$_A$ | 10GB | LSOH | 1

DESCRIPTION	AVAILABLE	ORDER NO.
Grau		
Patchcord RJ45 unshielded Cat.6$_A$ 10GB, LSOH, grey, 0.5m		**H6UTG00K5G**
Patchcord RJ45 unshielded Cat.6$_A$ 10GB, LSOH, grey, 1.0m		**H6UTG01K0G**
Patchcord RJ45 unshielded Cat.6$_A$ 10GB, LSOH, grey, 2.0m		**H6UTG02K0G**
Patchcord RJ45 unshielded Cat.6$_A$ 10GB, LSOH, grey, 3.0m		**H6UTG03K0G**
Patchcord RJ45 unshielded Cat.6$_A$ 10GB, LSOH, grey, 5.0m		**H6UTG05K0G**
Patchcord RJ45 unshielded Cat.6$_A$ 10GB, LSOH, grey, 7.0m		**H6UTG07K0G**
Patchcord RJ45 unshielded Cat.6$_A$ 10GB, LSOH, grey, 10.0m		**H6UTG10K0G**
Patchcord RJ45 unshielded Cat.6$_A$ 10GB, LSOH, grey, 15.0m		**H6UTG15K0G**
Patchcord RJ45 unshielded Cat.6$_A$ 10GB, LSOH, grey, 20.0m		**H6UTG20K0G**
Patchcord RJ45 unshielded Cat.6$_A$ 10GB, LSOH, grey, 30.0m		**H6UTG30K0G**
Patchcord RJ45 unshielded Cat.6$_A$ 10GB, LSOH, grey, 50.0m		**H6UTG50K0G**

LED Patchcords RJ45 Unshielded Cat.6



H6USG02K0G



H6USG02K0G

Schrack-Info

Patchcords for generic, structured network cabling systems.
Support all applications requiring Class D to Class E (e.g. 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.
On the RJ45 connector of the LED patchcord, there are two contacts for the Patchfinder tool.
By connecting the Patchfinder to the contacts, the boots at both ends of the LED patchcord start to light.
Thus the patching is easily identified.
During Light-functionality, Data-transmission remains stable and is not affected.
Pin assignment 1:1.

TOOL LESS | LED | U/UTP | Cat. 6 | LS0H | 1

DESCRIPTION	AVAILABLE	ORDER NO.
Grey		
LED Patchcord RJ45 unshielded Cat.6, LS0H, grey, 0.5m		**H6USG00K5G**
LED Patchcord RJ45 unshielded Cat.6, LS0H, grey, 1.0m		**H6USG01K0G**
LED Patchcord RJ45 unshielded Cat.6, LS0H, grey, 2.0m		**H6USG02K0G**
LED Patchcord RJ45 unshielded Cat.6, LS0H, grey, 3.0m		**H6USG03K0G**
LED Patchcord RJ45 unshielded Cat.6, LS0H, grey, 5.0m		**H6USG05K0G**
LED Patchcord RJ45 unshielded Cat.6, LS0H, grey, 7.0m		H6USG07K0G
LED Patchcord RJ45 unshielded Cat.6, LS0H, grey, 10.0m		**H6USG10K0G**
LED Patchcord RJ45 unshielded Cat.6, LS0H, grey, 15.0m		H6USG15K0G
LED Patchcord RJ45 unshielded Cat.6, LS0H, grey, 20.0m		**H6USG20K0G**
LED Patchcord RJ45 unshielded Cat.6, LS0H, grey, 25.0m		**H6USG25K0G**
LED Patchcord RJ45 unshielded Cat.6, LS0H, grey, 30.0m		**H6USG30K0G**

Patchfinder Light Injector for LED Patchcords



HLEDTOOL



HLEDTOOL1

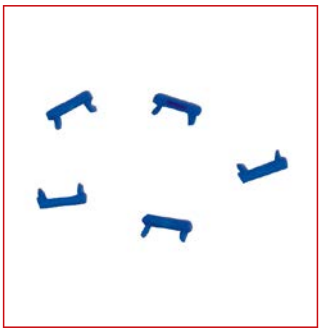
TOOL LESS | LED

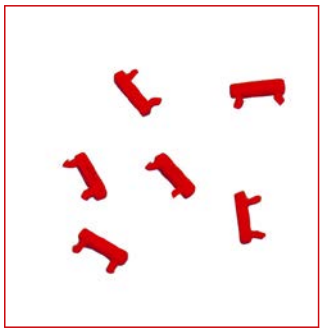
Schrack-Info

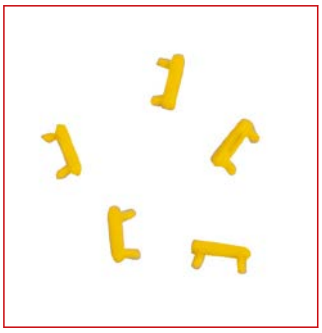
The Patchfinder is a power-supply, which activates the light of the LEDs of the LED patchcords.
Three operational modi are available: Permanent light, slow and quick flashing.
There is a mechanical reverse voltage protection included.
HLEDTOOL: Batteries are included in delivery (4 x LR41).
HLEDTOOL1: Thanks to the built-in lithium-ion battery, a long working life and durability is guaranteed. The required USB charging cable is included.

DESCRIPTION	AVAILABLE	ORDER NO.
Patchfinder Light Injector for LED patchcords		**HLEDTOOL**
LED Detector Pro for LED patchcords, with rechargeable battery and USB charging cable		**HLEDTOOL1**

Colored Marking Clips for LED Patchcords


HLEDCLIPB


HLEDCLIPR


HLEDCLIPY


HLEDCLIPU

Schrack-Info

An additional idenfication feature is realised by use of the different color-coding clips.
Different services can be marked by the colors blue, red, yellow and green.

TOOL LESS LED 4

DESCRIPTION	AVAILABLE	ORDER NO.
Marking clip for color coding for LED patchcord, blue, 100 pcs.		HLEDCLIPB
Marking clip for color coding for LED patchcord, red, 100 pcs.		HLEDCLIPR
Marking clip for color coding for LED patchcord, yellow, 100 pcs.		HLEDCLIPY
Marking clip for color coding for LED patchcord, green, 100 pcs.		HLEDCLIPU

Patchcords RJ45 Unshielded Cat.6


H6ULG02K0G


H6ULG02K0G


H6ULB02K0B


H6ULR02K0R


H6ULY02K0Y


H6ULU02K0U

Schrack-Info

Patchcords for generic, structured network cabling systems.
Support all applications requiring Class D to Class E (e.g. 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.
Patchcord with moulded boot in matching cable color.
Pin assignment 1:1.

TOOL LESS | U/UTP | Cat. 6 | PVC | 5

DESCRIPTION	AVAILABLE	ORDER NO.
Grey		
Patchcord RJ45 unshielded Cat.6, PVC, grey, 0.5m		**H6ULG00K5G**
Patchcord RJ45 unshielded Cat.6, PVC, grey, 1.0m		**H6ULG01K0G**
Patchcord RJ45 unshielded Cat.6, PVC, grey, 2.0m		**H6ULG02K0G**
Patchcord RJ45 unshielded Cat.6, PVC, grey, 3.0m		**H6ULG03K0G**
Patchcord RJ45 unshielded Cat.6, PVC, grey, 5.0m		**H6ULG05K0G**
Patchcord RJ45 unshielded Cat.6, PVC, grey, 7.0m		**H6ULG07K0G**
Patchcord RJ45 unshielded Cat.6, PVC, grey, 10.0m		**H6ULG10K0G**
Patchcord RJ45 unshielded Cat.6, PVC, grey, 15.0m		**H6ULG15K0G**
Patchcord RJ45 unshielded Cat.6, PVC, grey, 20.0m		**H6ULG20K0G**
Blue		
Patchcord RJ45 unshielded Cat.6, PVC, blue, 1.0m		**H6ULB01K0B**
Patchcord RJ45 unshielded Cat.6, PVC, blue, 2.0m		**H6ULB02K0B**
Patchcord RJ45 unshielded Cat.6, PVC, blue, 3.0m		**H6ULB03K0B**
Patchcord RJ45 unshielded Cat.6, PVC, blue, 5.0m		**H6ULB05K0B**
Patchcord RJ45 unshielded Cat.6, PVC, blue, 10.0m		**H6ULB10K0B**
Red		
Patchcord RJ45 unshielded Cat.6, PVC, red, 1.0m		**H6ULR01K0R**
Patchcord RJ45 unshielded Cat.6, PVC, red, 2.0m		**H6ULR02K0R**
Patchcord RJ45 unshielded Cat.6, PVC, red, 3.0m		**H6ULR03K0R**
Patchcord RJ45 unshielded Cat.6, PVC, red, 5.0m		**H6ULR05K0R**
Patchcord RJ45 unshielded Cat.6, PVC, red, 10.0m		**H6ULR10K0R**

Patchcords RJ45 Unshielded Cat.6

DESCRIPTION	AVAILABLE	ORDER NO.
Yellow		
Patchcord RJ45 unshielded Cat.6, PVC, yellow, 1.0m		**H6ULY01K0Y**
Patchcord RJ45 unshielded Cat.6, PVC, yellow, 2.0m		**H6ULY02K0Y**
Patchcord RJ45 unshielded Cat.6, PVC, yellow, 3.0m		**H6ULY03K0Y**
Patchcord RJ45 unshielded Cat.6, PVC, yellow, 5.0m		**H6ULY05K0Y**
Patchcord RJ45 unshielded Cat.6, PVC, yellow, 10.0m		**H6ULY10K0Y**
Green		
Patchcord RJ45 unshielded Cat.6, PVC, green, 1.0m		**H6ULU01K0U**
Patchcord RJ45 unshielded Cat.6, PVC, green, 2.0m		**H6ULU02K0U**
Patchcord RJ45 unshielded Cat.6, PVC, green, 3.0m		**H6ULU03K0U**
Patchcord RJ45 unshielded Cat.6, PVC, green, 5.0m		**H6ULU05K0U**
Patchcord RJ45 unshielded Cat.6, PVC, green, 10.0m		**H6ULU10K0U**

Patchcords RJ45 Unshielded Cat.5e


H5ULG02K0G


H5ULG02K0G


H5ULB02K0B


H5ULR02K0R


H5ULY02K0Y


H5ULU02K0U

Schrack-Info

Patchcords for generic, structured network cabling systems.
Support all applications requiring Class D (e.g. 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.
Patchcord with moulded boot in matching cable color.
Pin assignment 1:1.

TOOL LESS | U/UTP | Cat. 5e | PVC | 5

DESCRIPTION	AVAILABLE	ORDER NO.
Grey		
Patchcord RJ45 unshielded Cat.5e, PVC, grey, 0.5m		**H5ULG00K5G**
Patchcord RJ45 unshielded Cat.5e, PVC, grey, 1.0m		**H5ULG01K0G**
Patchcord RJ45 unshielded Cat.5e, PVC, grey, 2.0m		**H5ULG02K0G**
Patchcord RJ45 unshielded Cat.5e, PVC, grey, 3.0m		**H5ULG03K0G**
Patchcord RJ45 unshielded Cat.5e, PVC, grey, 5.0m		**H5ULG05K0G**
Patchcord RJ45 unshielded Cat.5e, PVC, grey, 7.0m		**H5ULG07K0G**
Patchcord RJ45 unshielded Cat.5e, PVC, grey, 10.0m		**H5ULG10K0G**
Patchcord RJ45 unshielded Cat.5e, PVC, grey, 15.0m		**H5ULG15K0G**
Patchcord RJ45 unshielded Cat.5e, PVC, grey, 20.0m		**H5ULG20K0G**
Blue		
Patchcord RJ45 unshielded Cat.5e, PVC, blue, 0.5m		**H5ULB00K5B**
Patchcord RJ45 unshielded Cat.5e, PVC, blue, 1.0m		**H5ULB01K0B**
Patchcord RJ45 unshielded Cat.5e, PVC, blue, 2.0m		**H5ULB02K0B**
Patchcord RJ45 unshielded Cat.5e, PVC, blue, 3.0m		**H5ULB03K0B**
Patchcord RJ45 unshielded Cat.5e, PVC, blue, 5.0m		**H5ULB05K0B**
Patchcord RJ45 unshielded Cat.5e, PVC, blue, 10.0m		**H5ULB10K0B**
Red		
Patchcord RJ45 unshielded Cat.5e, PVC, red, 0.5m		**H5ULR00K5R**
Patchcord RJ45 unshielded Cat.5e, PVC, red, 1.0m		**H5ULR01K0R**
Patchcord RJ45 unshielded Cat.5e, PVC, red, 2.0m		**H5ULR02K0R**
Patchcord RJ45 unshielded Cat.5e, PVC, red, 3.0m		**H5ULR03K0R**
Patchcord RJ45 unshielded Cat.5e, PVC, red, 5.0m		**H5ULR05K0R**
Patchcord RJ45 unshielded Cat.5e, PVC, red, 10.0m		**H5ULR10K0R**

Patchcords RJ45 Unshielded Cat.5e

DESCRIPTION	AVAILABLE	ORDER NO.
Yellow		
Patchcord RJ45 unshielded Cat.5e, PVC, yellow, 0.5m		**H5ULY00K5Y**
Patchcord RJ45 unshielded Cat.5e, PVC, yellow, 1.0m		**H5ULY01K0Y**
Patchcord RJ45 unshielded Cat.5e, PVC, yellow, 2.0m		**H5ULY02K0Y**
Patchcord RJ45 unshielded Cat.5e, PVC, yellow, 3.0m		**H5ULY03K0Y**
Patchcord RJ45 unshielded Cat.5e, PVC, yellow, 5.0m		**H5ULY05K0Y**
Patchcord RJ45 unshielded Cat.5e, PVC, yellow, 10.0m		**H5ULY10K0Y**
Green		
Patchcord RJ45 unshielded Cat.5e, PVC, green, 0.5m		**H5ULU00K5U**
Patchcord RJ45 unshielded Cat.5e, PVC, green, 1.0m		**H5ULU01K0U**
Patchcord RJ45 unshielded Cat.5e, PVC, green, 2.0m		**H5ULU02K0U**
Patchcord RJ45 unshielded Cat.5e, PVC, green, 3.0m		**H5ULU03K0U**
Patchcord RJ45 unshielded Cat.5e, PVC, green, 5.0m		**H5ULU05K0U**
Patchcord RJ45 unshielded Cat.5e, PVC, green, 10.0m		**H5ULU10K0U**

Patchcords Coax



HS4HC02K5



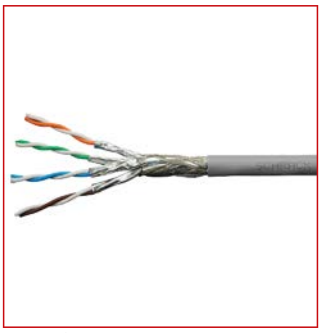
HS4HC02K5

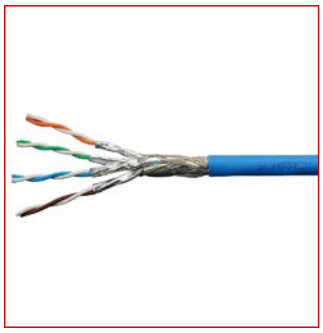
Schrack-Info

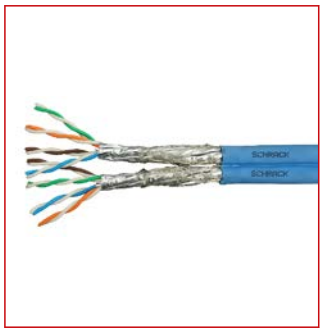
Coax patchcords with F-Quick connector at both ends.
Quality grade Class A.
Screening factor > 90dB.

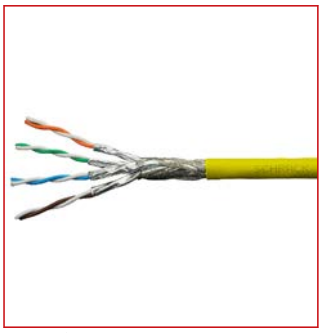
DESCRIPTION	AVAILABLE	ORDER NO.
S4H Coax Patchcord, 2xF-Quick straight, ≥90dB, ClassA, white, 0.5m		**HS4HC00K5**
S4H Coax Patchcord, 2xF-Quick straight, ≥90dB, ClassA, white, 1.0m		**HS4HC01K0**
S4H Coax Patchcord, 2xF-Quick straight, ≥90dB, ClassA, white, 1.5m		**HS4HC01K5**
S4H Coax Patchcord, 2xF-Quick straight, ≥90dB, ClassA, white, 2.5m		**HS4HC02K5**
S4H Coax Patchcord, 2xF-Quick straight, ≥90dB, ClassA, white, 3.5m		HS4HC03K5
S4H Coax Patchcord, 2xF-Quick straight, ≥90dB, ClassA, white, 5.0m		HS4HC05K0

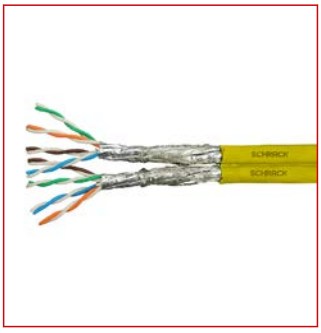
Installation Cables S/FTP Cat.7_A 1250MHz 50% Braid-coverage LS0H-3


HSEKP422HG


HSEKP422HB


HSEKP822HB


HSEKP422HY


HSEKP822HY

Schrack-Info

Installationcables for generic, structured network cabling systems. Support all applications requiring Class D to Class F_A (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

Due to the cable construction and the high braid coverage, the cable reaches the coupling attenuation (Type I) of ≥ 85 dB.

TOOL LESS | S/FTP | Cat. 7_A | 10GB | 25GB | LS0H-3 | $B2_{ca}$ | C_{ca}

Technical Data

Standards:	IEC 11801, EN 50173-1 Cat.7_A acc. to IEC 61156-5, EN 50288-9-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG22/1 (0.64mm)
Insulation material:	Foamed Polyethylene
Nominal diameter over insulation:	1.54mm
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Solid, tinned copper, Coverage = 50%
Jacket:	LS0H-3, FRNC acc. to IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-3-24, EN 60332-3-24
Reaction to fire:	Simplex: B2ca, s1a, d1, a1 Duplex: Cca, s1, d1, a1
Outside diameter:	Simplex: 8.1mm, Duplex: 8.1mm x 17.5mm
Jacket color:	Blue RAL5015, Yellow RAL1021, Grey RAL7032
Temperature range during operation, storage:	-30°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 4 x D, Duplex: 4 x D (flat side)
Min. bend radius during installation:	Simplex: 8 x D, Duplex: 8 x D (flat side)
Max. pulling strength:	Simplex: 110N, Duplex: 220N
Burning load:	Simplex: 700kJ/m, Duplex: 1400kJ/m
Total cable weight:	Simplex: 65kg/km, Duplex: 130kg/km
NVP (Nominal velocity of propagation):	0.73c

Installation Cables S/FTP Cat.7$_A$ 1250MHz 50% Braid-coverage LS0H-3

Electrical Characteristics at 20°C according to IEC 61156-5

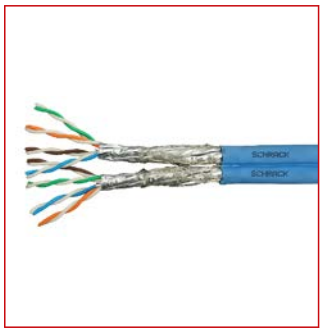
	Freq. (MHz)	Specification	Unit
NVP (Nominal velocity of propagation)	4 – 1000	0.73	c
Skew	4 – 1000	≤ 25	ns/100m
Propagation delay	4 – 1000	≤ 534 + 36/Vf	ns/100m
Attenuation	5 – 1000	≤ 1.8*Vf+0.005*f+0.25/Vf	dB
TCL, level 1 (Transverse conversion loss)	1 – 250	> 40 –10*log (f)	dB
ELTCL (Equal level transverse conversion loss)	1 – 30	> 35 – 20*log (f)	dB
NEXT (Near end cross talk)	4 – 1000	≥ 106-15*log (f) (78 max.)	dB
PS NEXT (Power sum near end cross talk)	4 – 1000	≥ 103-15*log (f) (75 max.)	dB
ACR-N (Attenuation cross talk ratio)	4 – 1000	NEXT – Dämpfung	dB
PS ACR-N (Power sum attenuation cross talk ratio)	4 – 1000	PSNEXT – Dämpfung	dB
ACR-F (Equal level far end cross talk)	4 – 1000	≥ 95.3-20*log (f) (78 max.)	dB
PS ACR-F (Power sum equal level far end cross talk)	4 – 1000	≥ 92.3-20*log (f) (75 max.)	dB
PS ANEXT (Power sum alien near end cross talk)	4 – 1000	≥ 107.5-15*log (f) (67 min.)	dB
PS AACR-F (Power sum alien far end cross talk)	4 – 1000	≥ 92.3-20*log (f) (67 min.)	dB
Input impedance open / short (Zo/s)	4 – 1000	100	Ω
RL (Return loss)	4 ≤ f ≤ 10	≥ 20 + 5*log (f)	dB
	10 ≤ f ≤ 20	≥ 25	dB
	20 ≤ f ≤ 600	≥ 25-7*log (f/20) (17.3 min.)	dB
	600 ≤ f ≤ 1000	≥ 17.3-10*log (f/600)	dB
Coupling attenuation (type I)	30 – 100	≥ 85	dB
	100 – 1000	≥ 85-20*log (f/100)	dB
Transfer impedance (ZT, grade 1)	1	< 10	mΩ/m
	10	< 10	mΩ/m
	30	< 30	mΩ/m
	100	< 100	mΩ/m

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, blue, Sale per meter	35,00kg/km		**HSEKP422HB**
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, blue, Drum 1000m	35,00kg/km		**HSKP422HB1**
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, blue, Drum 500m	35,00kg/km		**HSKP422HB5**
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, blue, Drum 100m	35,00kg/km		HSKP422HB9
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, grey, Sale per meter	35,00kg/km		**HSEKP422HG**
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, grey, Drum 1000m	35,00kg/km		**HSKP422HG1**
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, grey, Drum 500m	35,00kg/km		**HSKP422HG5**
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, grey, Drum 100m	35,00kg/km		HSKP422HG9
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, yellow, Sale per meter	35,00kg/km		**HSEKP422HY**
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, yellow, Drum 1000m	35,00kg/km		**HSKP422HY1**
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, yellow, Drum 500m	35,00kg/km		**HSKP422HY5**
S/FTP Cable Cat.7$_A$, 2x(4x2xAWG22/1),1.250MHz,LS0H-3 Cca-s1-d1-a1, 50%, blue, Sale per meter	70,00kg/km		**HSEKP822HB**
S/FTP Cable Cat.7$_A$, 2x(4x2xAWG22/1),1.250MHz,LS0H-3 Cca-s1-d1-a1, 50%, blue, Drum 500m	70,00kg/km		**HSKP822HB5**
S/FTP Cable Cat.7$_A$, 2x(4x2xAWG22/1),1.250MHz,LS0H-3 Cca-s1-d1-a1, 50%, blue, Drum 100m	70,00kg/km		HSKP822HB9
S/FTP Cable Cat.7$_A$, 2x(4x2xAWG22/1),1.250MHz,LS0H-3 Cca-s1-d1-a1, 50%, yellow, Sale per meter	70,00kg/km		**HSEKP822HY**
S/FTP Cable Cat.7$_A$, 2x(4x2xAWG22/1),1.250MHz,LS0H-3 Cca-s1-d1-a1, 50%, yellow, Drum 500m	70,00kg/km		**HSKP822HY5**

Installation Cables S/FTP Cat.7$_A$ 1500MHz LS0H-3



HSEKP422HP



HSEKP822HP

Schrack-Info

Installationcables for generic, structured network cabling systems. Support all applications requiring Class D to Class F$_A$ (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

Due to the cable construction and the high braid coverage, the cable reaches the coupling attenuation (Type I) of ≥ 85 dB.

TOOL LESS | S/FTP | Cat. 7$_A$ | 10GB | LS0H-3 | D$_{ca}$

Standards:	IEC 11801, EN 50173-1 Cat.7$_A$ acc. to IEC 61156-5, EN 50288-9-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG22/1
Insulation material:	Foamed Polyethylene
Nominal diameter over insulation:	1.55mm
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Solid, tinned copper, Coverage = 35%
Jacket:	LS0H-3, FRNC acc. to IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-3-24, EN 60332-3-24
Reaction to fire:	Simplex: Dca, s2, d2, a1 Duplex: Dca, s2, d2, a1
Outside diameter:	Simplex: 7.6mm , Duplex: 7.6mm x 15.6mm
Jacket colour:	Blue RAL5015
Temperature range during operation, storage:	-20°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 4 x D, Duplex: 4 x D (flat side)
Min. bend radius during installation:	Simplex: 8 x D, Duplex: 8 x D (flat side)
Max. pulling strength:	Simplex: 150N, Duplex: 350N
Burning load:	Simplex: 680kJ/m, Duplex: 1370kJ/m
Total cable weight:	Simplex: 62kg/km, Duplex: 124kg/km
NVP (Nominal velocity of propagation):	0.79c

Installation Cables S/FTP Cat.7$_A$ 1500MHz LS0H-3

Electrical Characteristics at 20°C according to IEC 61156-5

Frequency (MHZ)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB)	Return loss (dB/100m)	PS-Next (dB/100m)	PS-ACR (dB/100m)	ELFEXT (dB/100m)	PS-ELFEXT (dB)
1	1.7	100	98	22	97	95	100	97
4	3.3	100	97	25	97	94	97	94
10	5.2	100	95	27	97	92	95	92
16	6.6	100	94	27	92	91	90	87
20	7.4	100	93	27	90	90	90	87
31.25	9.25	100	91	26	90	88	90	87
62.50	13.1	100	87	24	90	84	85	82
100	16.6	100	83	22	87	80	80	77
155	20.1	95	75	20	87	72	78	75
200	23.6	95	71	20	87	69	75	72
250	26.5	90	63	19	87	60	69	66
300	29.1	89	60	19	85	57	65	62
600	41.6	85	43	19	82	40	45	42
1000	54	83	29	19	80	26	40	37
1200	59	83	24	17	80	21	35	32
1400	63.7	81	17	15	78	14	30	27
1500	66	80	14	15	77	11	28	25

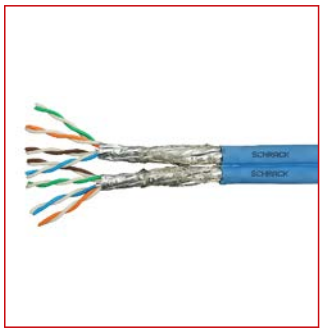
* Limits below 4 MHz and at 1500 MHz are informative.

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.500MHz, LS0H-3 Dca-s2-d2-a1, blue, Sale per meter	34,00kg/km		**HSEKP422HP**
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.500MHz, LS0H-3 Dca-s2-d2-a1, blue, Drum 1000m	34,00kg/km		**HSKP422HP1**
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.500MHz, LS0H-3 Dca-s2-d2-a1, blue, Drum 500m	34,00kg/km		**HSKP422HP5**
S/FTP Cable Cat.7$_A$, 2x(4x2xAWG22/1), 1.500MHz, LS0H-3 Dca-s2-d2-a1, blue, Sale per meter	68,00kg/km		**HSEKP822HP**
S/FTP Cable Cat.7$_A$, 2x(4x2xAWG22/1), 1.500MHz, LS0H-3 Dca-s2-d2-a1, blue, Drum 500m	68,00kg/km		**HSKP822HP5**

Installation Cables S/FTP Cat.7$_A$ 1200MHz LS0H-3 Dca



HSEKP422HK



HSEKP822HK

TOOL LESS | S/FTP | Cat. 7$_A$ | 10GB | LS0H-3 | D$_{ca}$

Schrack-Info

Installation cables for generic, structured network cabling systems. Support all applications requiring Class D to Class F$_A$ (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

Technische Tabelle

Standards:	IEC 11801, EN 50173-1 Cat.7$_A$ acc. to IEC 61156-5, EN 50288-9-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG23/1 (0.58mm)
Insulation material:	Cell Polyethylene (PE)
Nominal diameter over insulation:	1.4mm
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Solid, tinned copper, Coverage = 30%
Jacket:	LS0H-3, FRNC acc. to IEC 61034-2, EN 50268-2 IEC 60754-2, EN 50267-2 IEC 60332-3-24, EN 60332-3-24
Reaction to fire:	Simplex: Dca, s1, d2, a1 Duplex: Dca, s1, d2, a1
Outside diameter:	Simplex: 7.5mm, Duplex: 7.5mm x 15.0mm
Jacket color:	Blue RAL5015
Temperature range during operation, storage:	-20°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 4 x D, Duplex: 4 x D (flat side)
Min. bend radius during installation:	Simplex: 8 x D, Duplex: 8 x D flat side)
Max. pulling strength:	Simplex: 110N, Duplex: 220N
Burning load:	Simplex: 600kJ/m, Duplex: 1200kJ/m
Total cable weight:	Simplex: 60kg/km, Duplex: 120kg/km
NVP (Nominal velocity of propagation):	0.80c

Installation Cables S/FTP Cat.7$_A$ 1200MHz LS0H-3 Dca

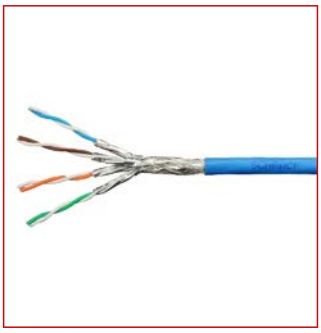
Electrical Characteristics at 20°C according to IEC 61156-5

Frequency	Attenuation		NEXT		PSNEXT		ACR-N		PSACR-N		ACR-F		PSACR-F		RL	
MHz	dB/100m		dB		dB		dB@100m		dB@100m		dB@100m		dB@100m		dB	
	typ.	Kat. 7$_A$ min.*	typ.	Kat. 7$_A$ min.*	typ.	Kat. 7$_A$ min.*	typ.	Kat. 7$_A$ min.*	typ.	Kat. 7$_A$ min.*	typ.	Kat. 7$_A$ min.*	typ.	Kat. 7$_A$ min.*	typ.	Kat. 7$_A$ min.*
1	1.9	2.1	102	78	99	75	101	75.9	98	72.9	98	78	95	75	25.4	-
10	4.8	5.8	102	78	99	75	98	72.2	95	69.2	103	78	100	75	31.1	25.0
100	16.4	18.5	102	75	99	72	86	56.9	83	53.9	89	65	86	62	33.2	20.1
200	24.5	26.5	102	71	99	68	78	44.4	75	41.4	82	59	79	56	33.2	18.0
250	27.8	29.7	102	69	99	66	75	39.7	72	36.7	79	57	76	54	33.4	17.3
500	38.2	42.8	97	65	94	62	59	22.1	56	19.1	67	51	64	48	30.5	17.3
600	42.9	47.1	92	64	89	61	49	16.6	46	13.6	60	50	57	47	27.6	17.3
700	47.7	51.1	92	63	89	60	44	11.6	41	8.6	57	48	54	45	26.2	16,6
800	50.8	54.9	90	62	87	59	39	7.0	36	4.0	53	47	50	44	23.9	16.1
900	55.1	58.5	85	61	82	58	30	2.6	27	-0.4	49	46	46	43	21.7	15.5
1000	58.0	61.9	80	60	77	57	22	-1.5	19	-4.5	46	45	43	42	18.0	15.1
1200	64.0	-	78	-	75	-	14	-	16	-	44	-	41	-	17.4	-

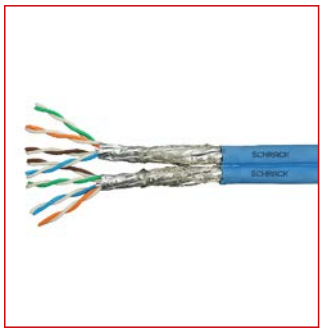
* Limits below 4 MHz and at 1200 MHz are informative.

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
S/FTP Cable Cat.7$_A$, 4x2xAWG23/1, 1200MHz, LS0H-3 Dca-s1-d2-a1, blue, Sale per meter	30,00kg/km		**HSEKP422HK**
S/FTP Cable Cat.7$_A$, 4x2xAWG23/1, 1200MHz, LS0H-3 Dca-s1-d2-a1, blue, Drum 1000m	30,00kg/km		**HSKP422HK1**
S/FTP Cable Cat.7$_A$, 4x2xAWG23/1, 1200MHz, LS0H-3 Dca-s1-d2-a1, blue, Drum 500m	30,00kg/km		**HSKP422HK5**
S/FTP Cable Cat.7$_A$, 4x2xAWG23/1, 1200MHz, LS0H-3 Dca-s1-d2-a1, blue, Ring 100m	30,00kg/km		HSKP422HK9
S/FTP Cable Cat.7$_A$, 2x(4x2xAWG23/1), 1200MHz, LS0H-3 Dca-s1-d2-a1, blue, Sale per meter	60,00kg/km		**HSEKP822HK**
S/FTP Cable Cat.7$_A$, 2x(4x2xAWG23/1), 1200MHz, LS0H-3 Dca-s1-d2-a1, blue, Drum 500m	60,00kg/km		**HSKP822HK5**
S/FTP Cable Cat.7$_A$, 2x(4x2xAWG23/1), 1200MHz, LS0H-3 Dca-s1-d2-a1, blue, Ring 100m	60,00kg/km		HSKP822HK9

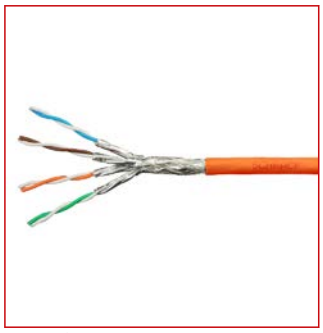
Installation Cables S/FTP Cat.7 1000MHz 30% Braid-coverage LS0H B2ca



HSEKP423BB



HSEKP823BB



HSEKP423BN

Schrack-Info

Installation cables for generic, structured network cabling systems.
Support all applications requiring Class D to Class F (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

TOOL LESS | S/FTP | Cat. 7 | 10GB | LS0H | B2$_{ca}$

Standards:	IEC 11801, EN 50173-1 Cat.7 acc. to IEC 61156-5, EN 50288-9-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG23/1 (0.58mm)
Insulation material:	Foamed Polyethylene
Nominal diameter over insulation:	1.45mm
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Solid, tinned copper, Coverage = 30%
Jacket:	LS0H, FRNC acc. to IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-1, EN 60332-1
Reaction to fire:	Simplex: B2ca, s1a, d1, a1 Duplex: B2ca, s1a, d1, a1
Outside diameter:	Simplex: 7.2mm , Duplex: 7.2mm x 16.0mm
Jacket color:	Blue RAL5015, Orange RAL2003
Temperature range during operation, storage:	-30°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 4 x D, Duplex: 4 x D (flat side)
Min. bend radius during installation:	Simplex: 8 x D, Duplex: 8 x D (flat side)
Max. pulling strength:	Simplex: 110N, Duplex: 220N
Burning load:	Simplex: 500kJ/m, Duplex: 1000kJ/m
Total cable weight:	Simplex: 52kg/km, Duplex: 109kg/km
NVP (Nominal velocity of propagation):	0.78c

Installation Cables S/FTP Cat.7 1000MHz 30% Braid-coverage LS0H B2ca

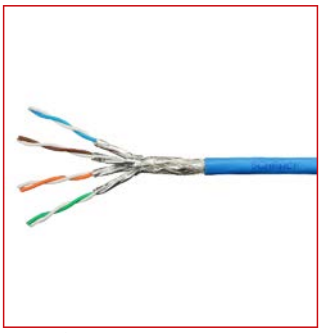
Electrical Characteristics at 20°C according to IEC 61156-5

Frequency	1	4	10	16	31,2	62,5	100	125	200	250	300	600	1000	MHz
Attenuation	2	3.7	5.9	7.4	10.4	14.9	19	21.4	27.5	31.0	34.2	50.1	66.9	dB/100m
NEXT	78	78	78	78	78	75.5	72.4	70.9	67.9	66.4	65.2	60.7	57.4	dB/100m
PS NEXT	75	75	75	75	75	72.5	69.4	67.9	64.9	63.4	62.2	57.7	54.4	dB/100m
ACR-N	76.0	74.3	72.1	70.6	67.6	60.6	53.4	49.6	40.4	35.5	40.4	10.6	-9.5	dB/100m
PS ACR-N	73	71.3	69.1	67.6	64.6	57.6	50.4	46.6	37.4	32.5	28.1	7.6	-12.5	dB/100m
ACR-F	78	78	75.3	71.2	65.4	59.4	55.3	53.4	49.3	47.3	45.8	39.7	35.3	dB/100m
PS ACR-F	75	75	72.3	68.2	62.4	56.4	52.3	50.4	46.3	44.3	42.8	36.7	32.3	dB/100m
RL	20	23	25	25	23.6	21.5	20.1	19.4	18	17.3	17.3	17.3	17.3	dB/100m

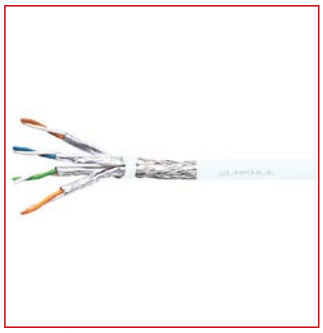
* Limits below 4 MHz and at 1000 MHz are informative.

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.00MHz, LS0H B2ca-s1a-d1-a1, 30%, blue, , Sale per meter	25,50kg/km		**HSEKP423BB**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H B2ca-s1a-d1-a1, 30%, blue, Drum 1000m	25,50kg/km		**HSKP423BB1**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H B2ca-s1a-d1-a1, 30%, blue, Drum 500m	25,50kg/km		**HSKP423BB5**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.00MHz, LS0H B2ca-s1a-d1-a1, 30%, orange, Sale per meter	25,50kg/km		**HSEKP423BN**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H B2ca-s1a-d1-a1, 30%, orange, Drum 1000m	25,50kg/km		HSKP423BN1
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H B2ca-s1a-d1-a1, 30%, orange, Drum 500m	25,50kg/km		**HSKP423BN5**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H B2ca-s1a-d1-a1, 30%, blue, Sale per meter	51,00kg/km		**HSEKP823BB**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H B2ca-s1a-d1-a1, 30%, blue, Drum 500m	51,00kg/km		**HSKP823BB5**

Installation Cables S/FTP Cat.7 1000MHz 40% Braid-coverage LS0H Dca


HSEKP423HB


HSEKP823HB


HVSKP423H0

Schrack-Info

Installation cables for generic, structured network cabling systems.
Support all applications requiring Class D to Class F (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

TOOL LESS | S/FTP | Cat. 7 | 10GB | LS0H | D_{ca}

Standards:	IEC 11801, EN 50173-1 Cat.7 acc. IEC 61156-5, EN 50288-4-1
Conductor:	Simplex: 4 individual shielded, twisted pair / Duplex: 2x4
Conductor material:	Solid bare copper AWG23/1 (0.58mm)
Insulation material:	Foamed Polyethylene
Nominal diameter over insulation:	1.45mm
Pair-Shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall Braid:	Solid, tinned copper, Coverage = 40%
Jacket:	LS0H, FRNC acc. to IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-1, EN 60332-1
Reaction to fire:	Simplex: Dca, s2, d1, a1 Duplex: Dca, s2, d2, a1
Outside diameter:	Simplex: 7.2mm, Duplex: 7.2mm x 16.0mm
Jacket color:	Blue RAL5015, White
Temperature range during operation, storage:	-30°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 29mm, Duplex: 29mm (flat side)
Min. bend radius during installation:	Simplex: 58mm, Duplex: 58mm (flat side)
Max. pulling strength:	Simplex: 110N, Duplex: 220N
Burning load:	Simplex: 500kJ/m, Duplex: 1000kJ/m
Total cable weight:	Simplex: 53kg/km, Duplex: 111kg/km
NVP (Nominal velocity of propagation)	0.78c

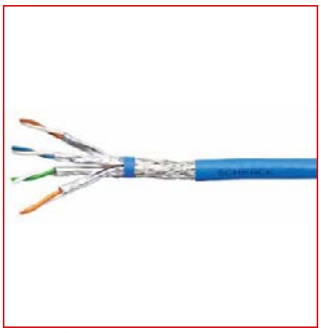
Installation Cables S/FTP Cat.7 1000MHz 40% Braid-coverage LS0H Dca

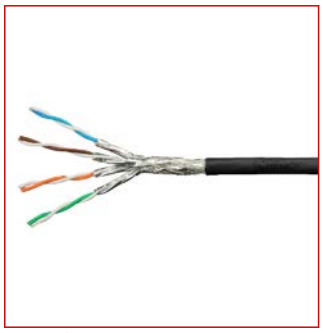
Electrical Characteristics at 20°C according to IEC 61156-5

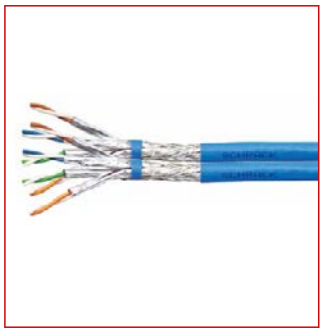
	Freq. (MHz)	Specification	Unit
NVP (Nominal velocity of propagation)	4 – 600	0.78	c
Skew	4 – 600	≤ 25	ns/100m
Propagation delay	4 – 600	≤ 534 + 36/Vf	ns/100m
Attenuation	4 – 600	≤ 1.8*Vf+0.01*f+0.20/Vf	dB
TCL, level 1 (Transverse conversion loss)	1 – 250	> 40 –10*log (f)	dB
ELTCL (Equal level transverse conversion loss)	1 – 30	> 35 – 20*log (f)	dB
NEXT (Near end cross talk)	4 – 600	≥ 102.4-15*log (f) (78 max.)	dB
PS NEXT (Power sum near end cross talk)	4 – 600	≥ 99.4-15*log (f) (75 max.)	dB
ACR-N (Attenuation cross talk ratio)	4 – 600	NEXT – Dämpfung	dB
PS ACR-N (Power sum attenuation cross talk ratio)	4 – 600	PSNEXT – Dämpfung	dB
ACR-F (Equal level far end cross talk)	4 – 600	≥ 95.3-20*log (f) (78 max.)	dB
PS ACR-F (Power sum equal level far end cross talk)	4 – 600	≥ 92.3-20*log (f) (75 max.)	dB
Input impedance open / short (Zo/s)	4 – 600	100	Ω
RL (Return loss)	4 ≤ f ≤ 10 10 ≤ f ≤ 20 20 ≤ f ≤ 600	≥ 20 + 5*log (f) ≥ 25 ≥ 25-7*log (f/20)	dB dB dB
Coupling attenuation (type I)	30 – 100 100 – 1000	≥ 85 ≥ 85-20*log (f/100)	dB dB
Transfer impedance (ZT, grade 1)	1 10 30 100	< 10 < 10 < 30 < 100	mΩ/m mΩ/m mΩ/m mΩ/m

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 40%, blue, Sale per meter	28,00kg/km		**HSEKP423HB**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 40%, blue, Drum 1000m	28,00kg/km		**HSKP423HB1**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 40%, blue, Drum 500m	28,00kg/km		**HSKP423HB5**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 40%, blue, Box 100m	28,00kg/km		**HSKP423HB9**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000Mhz, LS0H Dca-s2-d1-a1, 40%, white, RAL9010, Sale per meter	28,00kg/km		**HVSKP423H0**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000Mhz, LS0H Dca-s2-d1-a1, 40%, white, RAL9010, Drum 1000m	28,00kg/km		**HVKP423H01**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000Mhz, LS0H Dca-s2-d1-a1, 40%, white, RAL9010, Drum 500m	28,00kg/km		**HVKP423H05**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H Dca-s2-d2-a1, 40%, blue, Sale per meter	56,00kg/km		**HSEKP823HB**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H Dca-s2-d2-a1, 40%, blue, Drum 500m	56,00kg/km		**HSKP823HB5**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H Dca-s2-d2-a1, 40%, blue, Drum 100m	56,00kg/km		HSKP823HB9

Installation Cables S/FTP Cat.7 1000MHz 30% Braid-coverage LS0H-3 Dca


HSEKP4233K


HSEKP4233S


HSEKP8233K

Schrack-Info

Installation cables for generic, structured network cabling systems.
Support all applications requiring Class D to Class F (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

TOOL LESS | S/FTP | Cat. 7 | 10GB | LS0H-3 | D_{ca}

Standards:	IEC 11801, EN 50173-1 Cat.7 acc. to IEC 61156-5, EN 50288-4-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG23/1 (0.58mm)
Insulation material:	Foamed Polyethylene
Nominal diameter over insulation:	1.5mm
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Solid, tinned copper, Coverage = 30%
Jacket:	LS0H-3, FRNC acc. to IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-3-24, EN 60332-3-24
Reaction to fire:	Simplex: Dca, s1, d2, a1 Duplex: Dca, s1, d2, a1
Outside diameter:	Simplex: 7.4mm, Duplex: 7.5mm x 15.2mm
Jacket color:	Blue RAL5015, Black RAL9005
Temperature range during operation, storage:	-20°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 4 x D, Duplex: 4 x D (flat side)
Min. bend radius during installation:	Simplex: 8 x D, Duplex: 8 x D (flat side)
Max. pulling strength:	Simplex: 110N, Duplex: 220N
Burning load:	Simplex: 600kJ/m, Duplex: 1200kJ/m
Total cable weight:	Simplex: 57kg/km, Duplex: 117kg/km
NVP (Nominal velocity of propagation):	0.79c

Installation Cables S/FTP Cat.7 1000MHz 30% Braid-coverage LS0H-3 Dca

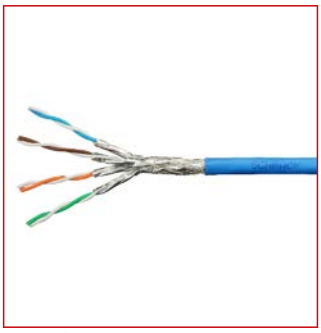
Electrical Characteristics at 20°C according to IEC 61156-5

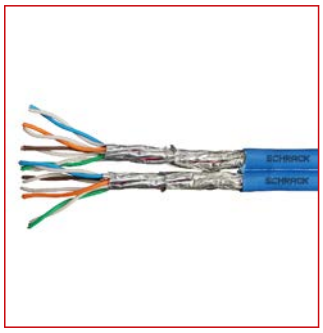
Frequency (MHz)	Attenuation (dB/100m)		NEXT (dB)		PS_NEXT (dB)		ACR (dB@100m)		PS_ACR (dB@100m)		EL_FEXT (dB@100m)		PS_ELFEXT (dB@100m)		RL (dB)	
	typ.	Cat.7 max.*	typ.	Cat.7 min.*	typ.	Cat.7 min.*	typ.	Cat.7 min.*	typ.	Cat.7 min.*	typ.	Cat.7 min.*	typ.	Cat.7 min.*	typ.	Cat.7 min.*
1	1.9	2	102	80	99	77	101	78	98	75	109	80	106	77	29	23
10	4.8	5.7	102	80	99	77	98	74	95	71	108	74	105	71	28	25
100	16.4	18.5	102	72	99	69	86	54	83	51	93	54	90	51	27	20.1
200	24.5	26.8	102	68	99	65	78	41	75	38	85	48	82	45	25	18
250	27.8	30.2	102	66	99	63	75	36	72	33	82	46	79	43	24	17.3
450	36.1	41.6	97	63	94	60	61	21	58	18	72	41	69	38	22	17.3
500	38.2	44.1	97	62	94	59	59	18	56	15	68	40	65	37	21	17.3
600	42.9	48.9	92	61	89	58	49	12	46	9	62	38	59	35	20	17.3
700	47.7	-	92	-	89	-	44	-	41	-	59	-	56	-	19	-
800	50.8	-	90	-	87	-	39	-	36	-	56	-	53	-	18	-
900	55.1	-	85	-	82	-	30	-	27	-	52	-	49	-	17	-
1000	58	-	80	-	77	-	22	-	19	-	42	-	39	-	15	-

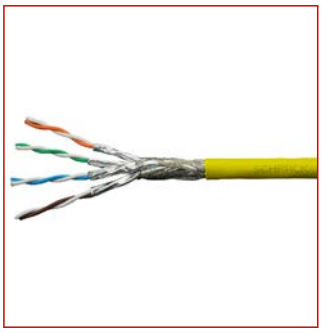
* Limits below 4 MHz and at 1000 MHz are informative.

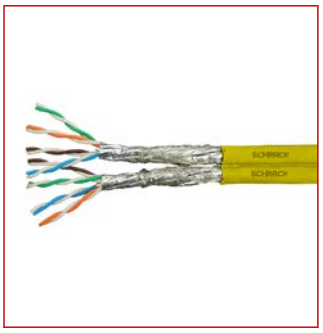
DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, blue, Sale per meter	25,50kg/km		**HSEKP4233K**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, blue, Drum 1000m	25,50kg/km		**HSKP4233K1**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, blue, Drum 500m	25,50kg/km		**HSKP4233K5**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, blue, Ring 100m	25,50kg/km		HSKP4233K9
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, black, Sale per meter	25,50kg/km		**HSEKP4233S**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, black, Drum 1000m	25,50kg/km		**HSKP4233S1**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, black, Drum 500m	25,50kg/km		**HSKP4233S5**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, black, Ring 100m	25,50kg/km		HSKP4233S9
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, blue, Sale per meter	51,00kg/km		**HSEKP8233K**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, blue, Drum 500m	51,00kg/km		**HSKP8233K5**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, blue, Ring 100m	51,00kg/km		HSKP8233K9

Installation Cables S/FTP Cat.7 1000MHz 30% Braid-coverage LS0H Dca


HSEKP423HP


HSEKP823HP


HSEKP423HY


HSEKP823HY

Schrack-Info

Installation cables for generic, structured network cabling systems.
Support all applications requiring Class D to Class F (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

TOOL LESS | S/FTP | Cat. 7 | 10GB | LS0H | D_{ca}

Technical Data

Standards:	IEC 11801, EN 50173-1 Cat.7 acc. to IEC 61156-5, EN 50288-4-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG23/1 (0.58mm)
Insulation material:	Foamed Polyethylene
Nominal diameter over insulation:	1.45mm
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Solid, tinned copper, Coverage = 30%
Jacket:	LS0H, FRNC acc. to IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-1, EN 60332-1
Reaction to fire:	Simplex: Dca, s2, d1, a1 Duplex: Dca, s1, d1, a1
Outside diameter:	Simplex: 7.2mm, Duplex: 7.2mm x 16.0mm
Jacket color:	Blue RAL5015, Yellow RAL1021
Temperature range during operation, storage:	-30°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 4 x D, Duplex: 4 x D (flat side)
Min. bend radius during installation:	Simplex: 8 x D, Duplex: 8 x D (flat side)
Max. pulling strength:	Simplex: 110N, Duplex: 220N
Burning load:	Simplex: 500kJ/m, Duplex: 1000kJ/m
Total cable weight:	Simplex: 52kg/km, Duplex: 109kg/km
NVP (Nominal velocity of propagation):	0.78c

Installation Cables S/FTP Cat.7 1000MHz 30% Braid-coverage LS0H Dca

Electrical Characteristics at 20°C according to IEC 61156-5

	Freq. (MHz)	Specification	Unit
NVP (Nominal velocity of propagation)	4 – 600	0.78	c
Skew	4 – 600	≤ 25	ns/100m
Propagation delay	4 – 600	≤ 534 + 36/Vf	ns/100m
Attenuation	4 – 600	≤ 1.8*Vf+0.01*f+0.20/Vf	dB
TCL, level 1 (Transverse conversion loss)	1 – 250	> 40 –10*log (f)	dB
ELTCL (Equal level transverse conversion loss)	1 – 30	> 35 – 20*log (f)	dB
NEXT (Near end cross talk)	4 – 600	≥ 102.4-15*log (f) (78 max.)	dB
PS NEXT (Power sum near end cross talk)	4 – 600	≥ 99.4-15*log (f) (75 max.)	dB
ACR-N (Attenuation cross talk ratio)	4 – 600	NEXT – Dämpfung	dB
PS ACR-N (Power sum attenuation cross talk ratio)	4 – 600	PSNEXT – Dämpfung	dB
ACR-F (Equal level far end cross talk)	4 – 600	≥ 95.3-20*log (f) (78 max.)	dB
PS ACR-F (Power sum equal level far end cross talk)	4 – 600	≥ 92.3-20*log (f) (75 max.)	dB
Input impedance open / short (Zo/s)	4 – 600	100	Ω
RL (Return loss)	4 ≤ f ≤ 10	≥ 20 + 5*log (f)	dB
	10 ≤ f ≤ 20	≥ 25	dB
	20 ≤ f ≤ 600	≥ 25-7*log (f/20)	dB
Coupling attenuation (type I)	30 – 100	≥ 55	dB
	100 – 1000	≥ 55-20*log (f/100)	dB
Transfer impedance (ZT, grade 1)	1	< 50	mΩ/m
	10	< 100	mΩ/m
	30	< 200	mΩ/m
	100	< 1000	mΩ/m

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 30%, blue, Sale per meter	25,50kg/km		**HSEKP423HP**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 30%, blue, Drum 1000m	25,50kg/km		**HSKP423HP1**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 30%, blue, Drum 500m	25,50kg/km		**HSKP423HP5**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 30%, blue, Box 100m	25,50kg/km		**HSKP423HP9**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 30%, yellow, Sale per meter	25,50kg/km		**HSEKP423HY**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 30%, yellow, Drum 500m	25,50kg/km		**HSKP423HY5**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 30%, yellow, Box 100m	25,50kg/km		HSKP423HY9
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H Dca-s1-d1-a1, 30%, blue, Sale per meter	51,00kg/km		**HSEKP823HP**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H Dca-s1-d1-a1, 30%, blue, Drum 500m	51,00kg/km		**HSKP823HP5**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H Dca-s1-d1-a1, 30%, blue, Drum 100m	51,00kg/km		HSKP823HP9
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H Dca-s1-d1-a1, 30%, yellow, Sale per meter	51,00kg/km		**HSEKP823HY**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H Dca-s1-d1-a1, 30%, yellow, Drum 500m	51,00kg/km		**HSKP823HY5**

Installation Cables S/FTP Cat.7 1000MHz PE OUTDOOR



HSEKP423E3



HCKP10N04E

TOOL LESS | S/FTP | Cat. 7 | 10GB | PE | OUTDOOR

Schrack-Info

Installationcable for generic, structured network cabling systems. Support all applications requiring Class D to Class F (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.

- HSEKP423E3: UV-resistant
- HCKP10N04E: UV-resistant, can be laid in the ground

Technical Data

	HSEKP423E3	HCKP10N04E
Standards:	ISO/IEC 11801, EN 50173-1	
	Cat.7 nach IEC 61156-5, EN 50288-4-1	
Conductor:	4 individual shielded twisted pairs	
Conductor material:	Solid bare copper, AWG23/1	
Insulation material:	Halogen free foam/Skin material	
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)	
Overall braid:	Solid, tinned copper	
Outer jacket:	Polyethylene (PE)	
Outside diameter	7.7mm	8.6mm
Jacket colour:	Black RAL9005	
Temperature range during operation, storage:	-30°C bis +60°C	-25°C bis +70°C
Temperature range during installation:	0°C bis +50°C	-10°C bis +50°C
Min. bend radius during operation:	3 x D	4 x D
Min. bend radius during installation:	6 x D	8 x D
Max. pulling strength:	85N	110N
Total cable weight:	53kg/km	65kg/km
NVP (Nominal velocity of propagation):	0.78c	0.80c

Electrical Characteristics at 20°C according to IEC 61156-5

Frequency	1	10	100	200	250	500	600	700	800	900	1000	MHz
Attenuation	2	5.7	18.5	26.8	30.2	44.1	18.9	-	-	-	-	dB/100m
NEXT	80	80	72	68	66	62	61	-	-	-	-	dB/100m
PS NEXT	77	77	69	65	63	59	58	-	-	-	-	dB/100m
ELFEXT	80	74	54	48	46	40	38	-	-	-	-	dB/100m
PS ELFEXT	77	71	51	456	43	37	35	-	-	-	-	dB/100m
RL	23	25	20.1	18	17.3	17.3	17.3	-	-	-	-	dB/100m

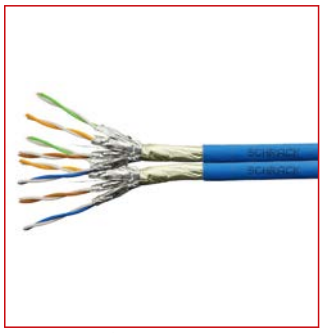
According to EN50288-4-1(2014)/IEC 61156-5(2009)

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz PE OUTDOOR, black, Sale per meter	28,00kg/km		**HSEKP423E3**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz PE OUTDOOR, black, Drum 1000m	28,00kg/km		**HSKP423E31**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz PE OUTDOOR, black, Drum 500m	28,00kg/km		**HSKP423E35**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz PE OUTDOOR, black, Drum 500m	28,00kg/km		HSKP423E39
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz PE OUTDOOR, black, buriable, Sale per meter	34,00kg/km		**HCKP10N04E**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1000MHz PE OUTDOOR, black, buriable, Drum 1000m	34,00kg/km		**HCKP1004E1**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1000MHz PE OUTDOOR, black, buriable, Drum 500m	34,00kg/km		**HCKP1004E5**

Installation Cables F/FTP Cat.6$_A$ 500MHz LS0H-3 Dca



HSEKP423GA



HSEKP823GA

TOOL LESS | F/FTP | Cat. 6$_A$ | 10GB | LS0H-3 | D$_{ca}$

Schrack-Info

Installation cables for generic, structured network cabling systems. Support all applications requiring Class D to Class E$_A$ (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

Technische Tabelle

Standards:	IEC 11801, EN 50173-1 Cat.6$_A$ acc. to IEC 61156-5, EN 50288-10-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG23/1 (0.56mm)
Insulation material:	Cell Polyethylene (PE)
Nominal diameter over insulation:	1.4mm
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Aluminum foil
Jacket:	LS0H-3, FRNC acc. to IEC 61034-2, EN 50268-2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-3-24, EN 60332-3-24
Reaction to fire:	Simplex: Dca, s2, d2, a1 Duplex: Dca, s2, d2, a1
Outside diameter:	Simplex: 6.8mm, Duplex: 6.8mm x 13.6mm
Jacket color:	Blue RAL5015
Temperature range during operation, storage:	-20°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 4 x D, Duplex: 4 x D (flat side)
Min. bend radius during installation:	Simplex: 8 x D, Duplex: 8 x D (flat side)
Max. pulling strength:	Simplex: 110N, Duplex: 220N
Burning load:	Simplex: 600kJ/m, Duplex: 1200kJ/m
Total cable weight:	Simplex: 49kg/km, Duplex: 98kg/km
NVP (Nominal velocity of propagation):	0.80c

Electrical Characteristics at 20°C according to IEC 61156-5

Frequency	**Attenuation**		**NEXT**		**PSNEXT**		**ACR-N**		**PSACR-N**		**ACR-F**		**PSACR-F**		**RL**	
MHz	**dB/100m**		**dB**		**dB**		**dB@100m**		**dB@100m**		**dB@100m**		**dB@100m**		**dB**	
	typ.	Cat. 6$_A$ max.*	typ.	Cat. 6$_A$ max.*	typ.	Cat. 6$_A$ max.*	typ.	Cat. 6$_A$ max.*	typ.	Cat. 6$_A$ max.*	typ.	Cat. 6$_A$ max.*	typ.	Cat. 6$_A$ max.*	typ.	Cat. 6$_A$ max.*
1	1.9	2.1	95	75.3	92	72.3	93	73.2	90	70.2	91	68.0	88	65.0	25.1	-
10	5.2	5.9	90	60.3	87	57.3	85	54.4	82	51.4	96	48.0	93	45.0	35.2	25.0
100	17.7	19.1	75	45.3	72	42.3	57	26.2	54	23.2	90	28.0	87	25.0	37.2	20.1
200	26.4	27.6	68	40.8	65	37.8	42	13.2	39	10.2	78	22.0	75	19.0	31.1	18.0
250	29.9	31.1	66	39.3	63	36.3	36	8.2	33	5.2	75	20.0	72	17.0	29.5	17.3
300	31.9	34.3	65	38.1	62	35.1	33	3.8	30	0,8	72	18.5	69	15.5	28.3	17.3
450	38.9	42.7	63	35.5	60	32.5	24	-7.2	21	-10.2	69	14.9	66	11.9	26.7	17.3
500	41.2	45.3	61	34.8	58	31.8	20	-10.5	17	-13.5	66	14.0	63	11.0	26.3	17.3

* Limits below 4 MHz are informative.

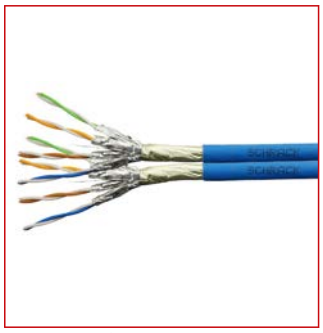
Installation Cables F/FTP Cat.6$_A$ 500MHz LS0H-3 Dca

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
F/FTP cable Cat.6$_A$, 4x2xAWG23/1, 500 Mhz, LS0H-3 Dca-s1,d2,a1, blue, Sale per meter	20,00kg/km		**HSEKP423GA**
F/FTP cable Cat.6$_A$, 4x2xAWG23/1, 500 Mhz, LS0H-3 Dca-s1,d2,a1, blue, Drum 1000m	20,00kg/km		**HSKP423GA1**
F/FTP cable Cat.6$_A$, 4x2xAWG23/1, 500 Mhz, LS0H-3 Dca-s1,d2,a1, blue, Drum 500m	20,00kg/km		**HSKP423GA5**
F/FTP cable Cat.6$_A$, 4x2xAWG23/1, 500 Mhz, LS0H-3 Dca-s1,d2,a1, blue, Ring 100m	20,00kg/km		HSKP423GA9
F/FTP Cable Cat.6$_A$, 2x(4x2xAWG23/1), 500MHz, LS0H-3 Dca-s1,d2,a1, blue, Sale per meter	40,00kg/km		**HSEKP823GA**
F/FTP Cable Cat.6$_A$, 2x(4x2xAWG23/1), 500MHz, LS0H-3 Dca-s1,d2,a1, blue, Drum 500m	40,00kg/km		**HSKP823GA5**
F/FTP Cable Cat.6$_A$, 2x(4x2xAWG23/1), 500MHz, LS0H-3 Dca-s1,d2,a1, blue, Ring 100m	40,00kg/km		HSKP823GA9

Installation Cables F/FTP Cat.6$_A$ 500MHz LS0H-3 Dca



HSEKP423HA



HSEKP823HA

TOOL LESS | F/FTP | Cat. 6$_A$ | 10GB | LS0H-3 | D$_{ca}$

Schrack-Info

Installation cables for generic, structured network cabling systems. Support all applications requiring Class D to Class E$_A$ (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

Technical Data

Standards:	IEC 11801, EN 50173-1 Cat.6$_A$ acc. to IEC 61156-5, EN 50288-10-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG23/1 (0.56mm)
Insulation material:	Cell Polyethylene (PE)
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Aluminium foil
Jacket:	LS0H-3, FRNC acc. to IEC 61034-2, EN 50268-2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-3-24, EN 60332-3-24
Reaction to fire:	Simplex: Dca-s2, d2, a1
	Duplex: Dca-s2, d2, a1
Outside diameter:	Simplex: 7.2mm, Duplex: 7.2mm x 15.0mm
Jacket color:	Blue, RAL5015
Temperature range during operation, storage:	-20°C bis +60°C
Temperature range during installation:	0°C bis +50°C
Min. bend radius during operation:	Simplex: 3 x D, Duplex: 3 x D (flat side)
Min. bend radius during installation:	Simplex: 7 x D, Duplex: 7 x D (flat side)
Max. pulling strength:	Simplex: 110N, Duplex: 220N
Burning load:	Simplex: 570kJ/m, Duplex: 1140kJ/m
Total cable weight:	Simplex: 48kg/km, Duplex: 96kg/km
NVP (Nominal velocity of propagation):	0.79c

Frequency	1	10	16	20	31.25	62.5	100	250	500	MHz
Attenuation	2.1	5.9	7.5	8.4	10.5	15	19.1	31.1	45.3	dB/100m
NEXT	75.3	60.3	57.2	55.8	52.9	48.4	45.3	39.3	34.8	dB/100m
PS NEXT	72.3	57.3	54.2	52.8	49.9	45.4	42.3	36.3	31.8	dB/100m
ACR-F	68	48	43.9	42	38.1	32.1	28	20	14	dB/100m
PS ACR-F	65	45	40.9	39	35.1	29.1	25	17	11	dB/100m
ACR-N	73.2	54.4	49.8	47.4	42.4	33.4	26.2	8.3	-10.4	dB/100m

* Limits below 4 MHz are informative.

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
F/FTP cable Cat.6$_A$, 4x2xAWG23/1, 500 Mhz, LS0H-3 Dca-s2,d2,a1, blue, Sale per meter	20,00kg/km		**HSEKP423HA**
F/FTP cable Cat.6$_A$, 4x2xAWG23/1, 500MHz, LS0H-3 Dca-s2,d2,a1, blue, drum 1000m	20,00kg/km		**HSKP423HA1**
F/FTP cable Cat.6$_A$, 4x2xAWG23/1, 500 Mhz, LS0H-3 Dca-s2,d2,a1, blue, drum 500m	20,00kg/km		**HSKP423HA5**
F/FTP Cable Cat.6$_A$, 2x(4x2xAWG23/1), 500MHz, LS0H-3 Dca-s2,d2,a1, blue, Sale per meter	40,00kg/km		**HSEKP823HA**
F/FTP Cable Cat.6$_A$, 2x(4x2xAWG23/1), 500MHz, LS0H-3 Dca-s2,d2,a1, blue, drum 500m	40,00kg/km		**HSKP823HA5**

Installation Cables U/FTP Cat.6$_A$ LS0H 500MHz B2ca s1a, d1, a1



HSEKF423CA



HSEKF423CN

TOOL LESS | U/FTP | Cat. 6$_A$ | 10GB | LS0H | B2$_{ca}$

Schrack-Info

Installationcables for generic, structured network cabling systems. Support all applications requiring Class D to Class E$_A$ (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

Technical Data

Standards:	IEC 11801, EN 50173-1 Cat.6$_A$ acc. to IEC 61156-5, EN 50288-10-1
Conductor:	Simplex: 4 individual shielded twisted pairs
Conductor material:	Solid bare copper, AWG23/1
Insulation material:	Foamed Polyethylene
Nominal diameter over insulation:	1.32mm
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Aluminium foil
Jacket:	LS0H, FRNC acc. to IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-1 EN 60332-1
Reaction to fire:	Simplex: B2ca, s1a, d1, a1
Outside diameter:	Simplex: 7.1mm
Jacket color:	Blue RAL5015, Orange RAL2003
Temperature range during operation, storage:	-30°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 4 x D (flat side)
Min. bend radius during installation:	Simplex: 8 x D (flat side)
Max. pulling strength:	Simplex: 79N
Burning load:	Simplex: 900kJ/m
Total cable weight:	Simplex: 48kg/km
NVP (Nominal velocity of propagation):	0.77c

Installation Cables U/FTP Cat.6$_A$ LS0H 500MHz B2ca s1a, d1, a1

Electrical Characteristics at 20°C according to IEC 61156-5

Frequency	1	4	10	16	31.2	62.5	100	125	200	250	300	500	MHz
Attenuation	2.1	3.8	5.9	7.5	10.5	15.0	19.1	21.5	27.6	31.1	34.3	45.3	dB/100m
NEXT	75.3	66.3	60.3	57.2	52.9	48.4	45.3	43.8	40.8	39.3	38.1	34.8	dB/100m
PS NEXT	72.3	63.3	57.3	54.2	49.9	45.4	42.3	40.8	37.8	36.3	35.1	31.8	dB/100m
ACR	73.2	62.5	54.4	49.8	42.4	33.4	26.2	22.3	13.2	8.3	3.9	-10.4	dB/100m
PS ACR	70.2	59.5	51.4	46.8	39.4	30.4	23.2	19.3	10.2	5.36	0.9	-13.4	dB/100m
ACR-F	68.0	56.0	48.0	43.9	38.1	32.1	28.0	26.1	22.0	20.0	18.5	14.0	dB/100m
PS ACR-F	65.0	53.0	45.0	40.9	35.1	29.1	25.0	23.1	19.0	17.0	15.5	11.0	dB/100m
RL	20.0	23.0	25.0	25.0	23.6	21.5	20.1	19.4	18.0	17.3	17.3	17.3	dB/100m
TCL level 1	40.0	34.0	30.0	28.0	25.1	22.0	20.1	19.0	17.0	16.0	-	-	dB/100m
PS ANEXT	35.0	23.0	15.0	10.9	5.1	-	-	-	-	-	-	-	dB/100m
PS AACR-F	67.0	67.0	67.0	67.0	67.0	65.6	62.5	61.0	58.0	56.5	55.3	52.0	dB/100m
EL TCTL	67.0	66.2	54.1	54.1	48.3	42.3	38.2	36.3	32.2	30.2	28.7	24.2	dB/100m
Propagation delay	570	552	543	543	540	539	538	537	536	536	536	536	dB/100m

* Limits below 4 MHz are informative.

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
U/FTP Cable Cat.6$_A$, 4x2xAWG23/1, 500MHz, LS0H B2ca-s1a,d1,a1, blue, Sale per meter	20,00kg/km		**HSEKF423CA**
U/FTP Cable Cat.6$_A$, 4x2xAWG23/1, 500MHz, LS0H B2ca-s1a,d1,a1, blue, Drum 500m	20,00kg/km		**HSKF423CA5**
U/FTP Cable Cat.6$_A$, 4x2xAWG23/1, 500MHz, LS0H B2ca-s1a,d1,a1, blue, Box 100m	20,00kg/km		**HSKF423CA9**
U/FTP Cable Cat.6$_A$, 4x2xAWG23/1, 500MHz, LS0H B2ca-s1a,d1,a1 orange	20,00kg/km		**HSEKF423CN**
U/FTP Kabel Cat.6$_A$, 4x2xAWG23/1, 500MHz, LS0H B2ca-s1a,d1,a1, orange, Drum 500m	20,00kg/km		**HSKF423CN5**
U/FTP Kabel Cat.6$_A$, 4x2xAWG23/1, 500MHz, LS0H B2ca-s1a,d1,a1, orange, Box 100m	20,00kg/km		HSKF423CN9

Installation Cables U/FTP Cat.6$_A$ LS0H 500MHz Dca



HSEKF423HB



HSEKF823HB

TOOL LESS | U/FTP | Cat. 6$_A$ | 10GB | LS0H | D$_{ca}$

Schrack-Info

Installationcables for generic, structured network cabling systems. Support all applications requiring Class D to Class E$_A$ (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

Technical Data

Standards:	IEC 11801, EN 50173-1 Cat.6$_A$ acc. to IEC 61156-5, EN 50288-10-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG23/1
Insulation material:	Foamed Polyethylene
Nominal diameter over insulation:	1.32mm
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Aluminium foil
Jacket:	LS0H, FRNC acc. to IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-1, EN 60332-1
Reaction to fire:	Simplex: Dca, s2, d1, a1 Duplex: Dca, s2, d1, a1
Outside diameter:	Simplex: 6.9mm, Duplex: 6.9mm x 13.8mm
Jacket color:	Blue RAL5015
Temperature range during operation, storage:	-30°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 4 x D, Duplex: 4 x D (flat side)
Min. bend radius during installation:	Simplex: 8 x D, Duplex: 8 x D (flat side)
Max. pulling strength:	Simplex: 79N, Duplex: 158N
Burning load:	Simplex: 515kJ/m, Duplex: 1030kJ/m
Total cable weight:	Simplex: 48kg/km, Duplex: 101kg/km
NVP (Nominal velocity of propagation):	0.77c

Electrical Characteristics at 20°C according to IEC 61156-5

Frequency	1	4	10	16	31.2	62.5	100	125	200	300	500	MHz
Attenuation	2.1	3.8	5.9	7.5	10.5	15	19.1	21.5	27.6	34.3	45.3	dB/100m
NEXT	75.3	66.3	60.3	57.2	52.9	48.4	45.3	43.8	40.8	38.1	34.8	dB/100m
PS NEXT	72.3	63.3	57.3	54.2	49.9	45.4	42.3	40.8	37.8	35.1	31.8	dB/100m
ACR	73.2	62.5	54.4	49.8	42.4	33.4	26.2	22.3	13.2	3.9	-10.4	dB/100m
PS ACR	70.2	59.5	51.4	46.8	39.4	30.4	23.2	19.3	10.2	0.9	-13.4	dB/100m
ACR-F	68	56	48	43.9	38.1	32.1	28	26.1	22	18.5	14	dB/100m
PS ACR-F	65	53	45	40.9	35.1	29.1	25	23.1	19	15.5	11	dB/100m
Return Loss	20	23	25	25	23.6	21.5	20.1	19.4	18	17.3	17.3	dB/100m
TCL level 1	40	34	30	28	25.1	22	20	19	17	-	-	dB/100m
EL TCTL	35	23	15	10.9	5.1	-	-	-	-	-	-	dB/100m
PS ANEXT	67	67	67	67	67	65.6	62.5	61	58	55.3	52	dB/100m
PS AACR-F	67	66.2	58.2	54.1	48.3	42.3	38.2	36.3	32.2	28.7	24.2	dB/100m
Propagation delay	570	552	545	543	540	539	538	537	536	536	536	dB/100m

* Limits below 4MHz are informative.

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
U/FTP Cable Cat.6$_A$, 4x2xAWG23/1, 500MHz, LS0H Dca-s2-d1-a1, blue, Sale per meter	20,00kg/km		**HSEKF423HB**
U/FTP Cable Cat.6$_A$, 4x2xAWG23/1, 500MHz, LS0H Dca-s2-d1-a1, blue, Drum 1000m	20,00kg/km		**HSKF423HB1**
U/FTP Cable Cat.6$_A$, 4x2xAWG23/1, 500MHz, LS0H Dca-s2-d1-a1, blue, Drum 500m	20,00kg/km		**HSKF423HB5**
U/FTP Cable Cat.6$_A$, 4x2xAWG23/1, 500MHz, LS0H Dca-s2-d1-a1, blue, Box 100m	20,00kg/km		**HSKF423HB9**

Installation Cables U/FTP Cat.6$_A$ LS0H 500MHz Dca

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
U/FTP Cable Cat.6$_A$, 2x(4x2xAWG23/1), 500MHz, LS0H Dca-s2-d1-a1, blue, Sale per meter	40,00kg/km		**HSEKF823HB**
U/FTP Cable Cat.6$_A$, 2x(4x2xAWG23/1), 500MHz, LS0H Dca-s2-d1-a1, blue, Drum 500m	40,00kg/km		**HSKF823HB5**
U/FTP Cable Cat.6$_A$, 2x(4x2xAWG23/1), 500MHz, LS0H Dca-s2-d1-a1, blue, Drum 100m	40,00kg/km		HSKF823HB9

Installation Cables SF/UTP Cat.5e



HSEKS424PP

TOOL LESS | SF/UTP | Cat. 5e | PVC | E_{ca}

Schrack-Info

Installationcables for generic, structured network cabling systems.
Support all applications requiring Class D (e.g. 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.

Technical Data

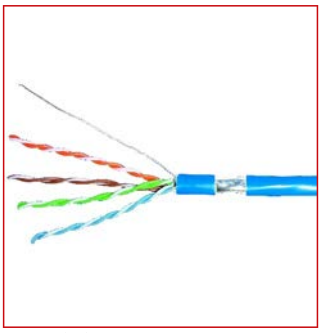
Standards:	ISO/IEC 11801, EN 50173-1 Cat.5 acc. to IEC 61156-5, EN 50288-2-1
Conductor:	4 unshielded, twisted pairs
Conductor material:	Solid bare copper AWG24/1 (0.52mm)
Insulation material:	Polyvinylchlorid (PVC)
Nominal diameter over insulation:	1.05mm
Overall Shield:	AL-foil + tinned copper-wire braid
Jacket:	PVC
Reaction to fire:	E_{ca}
Outside diameter:	6.0mm
Jacket color:	Blue RAL5015
Temperature range during operation, storage:	-20°C to +70°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	5 x D
Min. bend radius during installation:	8 x D
Max. pulling strength:	100N
Total cable weight:	45kg/km
NVP (Nominal velocity of propagation):	0.75c

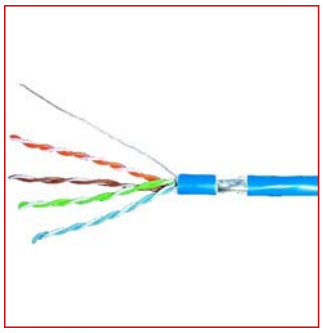
Electrical Characteristics at 20°C according to IEC 61156-5

Frequency	1	4	8	10	16	20	25	31.25	62.5	100	125	MHz
Attenuation	-	4.1	5.8	6.5	8.2	9.3	10.4	11.7	17	22	25	dB/100m
NEXT	65	56	51	50	47	45	44	42	38	35	34	dB/100m
PS NEXT	62	53	48	47	44	42	41	39	35	32	31	dB/100m

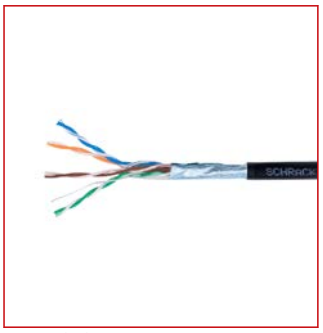
DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
SF/UTP Cable Cat.5e, 4x2xAWG24/1, PVC Eca, blue, Sale per meter	23,00kg/km		**HSEKS424PP**
SF/UTP Cable Cat.5e, 4x2xAWG24/1, PVC Eca, blue, Drum 500m	23,00kg/km		**HSKS424PP5**

Installation Cables F/UTP Cat.5e


HSEKF424PP


HSEKF424P1


HSEKF424H1


HSEKF424E3

Schrack-Info

Installationcables for generic, structured network cabling systems.
Support all applications requiring Class D (e.g. 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.

TOOL LESS | F/UTP | Cat. 5e | LS0H | PVC | PE | E_{ca}

Technical Data

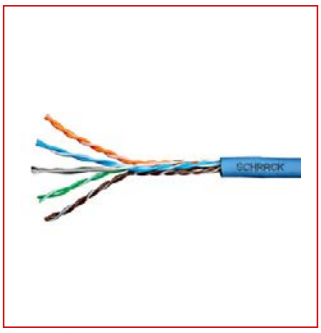
	HSEKF424PP	HSEKF424P1	HSEKF424H1	HSEKF424E3
Standards:	ISO/IEC 11801, EN 50173 Cat.5 acc. to IEC 61156-5, EN 50288-3-1			
Conductor:	4 unshielded twisted pairs			
Conductor material:	Solid bare copper, AWG24/1 (0.52mm)			
Insulation material:	Polyethylene (PE)			High density Polyethylene (HDPE)
Nominal diameter over insulation:	0.93mm		1.05mm	1.055mm
Overall braid:	AL-Folie			
Jacket:	PVC		LS0H acc. to IEC 60332-1, EN 60332-1	PE
Reaction to fire:	E_{ca}			-
outside diameter:	5.9mm	5.2mm		6.0mm
Jacket colour:	Blue RAL5015			Black RAL9005
Temperature range during operation, storage:	-20°C bis +70°C			-10°C bis +60°C
Temperature range during installation:	0°C bis +50°C			
Min. bend radius during operation:	5 x D			4 x D
Min. bend radius during installation:	8 x D			
Max. pulling strength:	100N			
Total cable weight:	39kg/km	38kg/km	39kg/km	33kg/km
NVP (Nominal velocity of propagation):	0.68c	0.75c		

Electrical Characteristics at 20°C according to IEC 61156-5

Frequency	1	4	8	10	16	20	25	31.25	62.5	100	125	MHz
Attenuation	2.0	4.1	5.8	6.5	8.2	9.3	10.4	11.7	17	22	24.9	dB/100m
NEXT	65	56	51	50	47	45	44	42	38	35	34	dB/100m
PS NEXT	62.3	53.3	48.8	47.3	44.2	42.8	41.3	39.9	35.4	32.3	30.8	dB/100m

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
F/UTP Cable Cat.5e, 4x2xAWG24/1, PVC Eca, blue, Sale per meter	17,00kg/km		**HSEKF424PP**
F/UTP Cable Cat.5e, 4x2xAWG24/1, PVC Eca, blue, Drum 500m	17,00kg/km		**HSKF424PP5**
F/UTP Cable Cat.5e, 4x2xAWG24/1, PVC Eca, blue, Box 305m	17,00kg/km		**HSEKF424P1**
F/UTP Cable Cat.5e, 4x2xAWG24/1, LS0H Eca, blue, Box 305m	17,00kg/km		**HSEKF424H1**
F/UTP Cable Cat.5e, 4x2xAWG24/1 PE OUTDOOR, black, Box 305m	17,00kg/km		**HSEKF424E3**

Installation Cables U/UTP Cat.6$_A$ 500MHz LS0H



HSEKU423EB

TOOL LESS | U/UTP | Cat. 6$_A$ | 10GB | LS0H | E$_{ca}$

Schrack-Info

Installationcables for generic, structured network cabling systems.
Support all applications requiring Class D to Class E$_A$ (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.

Technical Data

Standards:	ISO/IEC 11801, EN 50173-1 Cat.6$_A$ according IEC 61156-5, EN 50288-11-1
Conductor:	4 unshielded twisted pairs
Conductor material:	Solid bare copper, AWG23/1 (0.58mm)
Isolationsmaterial:	Polyolefin (PO)
Nominal diameter over insulation:	1.18 mm
Jacket:	LS0H, FRNC nach IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-1, EN 60332-1
Reaction to fire:	Eca
Outside diameter:	7.2mm
Jacket colour:	Blue RAL5015
Temperature range during operation, storage:	-30°C bis +60°C
Temperature range during installation:	0°C bis +50°C
Min. bend radius during operation:	4 x D
Min. bend radius during installation:	8 x D
Max. pulling strength:	80 N
Total cable weight:	50 kg/km
NVP (Nominal velocity of propagation):	0.67 c

Electrical Characteristics at 20°C according to IEC 61156-5

Frequency [MHz]	Attenuation [dB/100m]	NEXT [dB]	PSNEXT [dB]	ACR [dB]	PS-ACR [dB]	ELFEXT [dB]	PS-ELFEXT [dB]	TCL [dB]	ELTCTL [dB]
1	2.1	75.3	72.3	73.2	70.2	68	65	40	-
4	3.8	66.3	63.3	62.5	59.5	56	53	40	35
10	5.9	60.3	57.3	54.4	51.4	48	45	40	23
16	7.5	57.2	54.2	49.8	46.8	43.9	40.9	38	15
31.2	10.5	52.9	49.9	42.4	39.4	38.1	35.1	35.1	10.9
62.5	15	48.4	45.4	33.4	30.4	32.1	29.1	32	5.1
100	19.1	45.3	42.3	26.2	23.2	28	25	30	-
125	21.5	43.8	40.8	22.3	19.3	26.1	23.1	29	-
200	27.6	40.8	37.8	13.2	10.2	22	19	27	-
250	31.1	39.3	36.3	8.3	5.3	20	17	26	-
300	34.3	38.1	35.1	3.9	0.9	18.5	15.5	-	-
500	35.3	34.8	31.8	-10.4	-13.4	14	11	-	-

*Limits below 4MHz are informative.

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
U/UTP Cable Cat.6$_A$, 4x2xAWG23/1, 500MHz, LS0H Eca, blue, Sale per meter	20,00kg/km		**HSEKU423EB**
U/UTP Cable Cat.6$_A$, 4x2xAWG23/1, 500MHz, LS0H Eca, blue, Drum 500m	20,00kg/km		**HSKU423EB5**

Installation Cables U/UTP Cat.6 300MHz



HSEKU423BB

TOOL LESS | U/UTP | Cat. 6 | LSOH | B2$_{ca}$

Schrack-Info

Installationcables for generic, structured network cabling systems.
Support all applications requiring Class D to Class E (e.g. 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.

Technical Data

Standards:	ISO/IEC 11801, EN 50173-1 Cat.6 according IEC 61156-5, EN 50288-6-1
Conductor:	4 unshielded twisted pairs
Conductor material:	Solid bare copper, AWG24/1
Insulation material:	Polyethylene (PE)
Nominal diameter over insulation:	1.0mm
Jacket:	LS0H, FRNC nach IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-1, EN 60332-1
Reaction to fire:	B2$_{ca}$, s1, d1, a1
Outside diameter:	6.1mm
Jacket colour:	Blue RAL5015
Temperature range during operation, storage:	-20°C bis +75°C
Temperature range during installation:	0°C bis +50°C
Min. bend radius during operation:	4 x D
Min. bend radius during installation:	8 x D
Max. pulling strength:	80 N
Total cable weight:	52 kg/km
NVP (Nominal velocity of propagation):	0.70 c

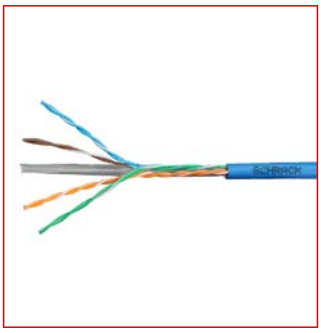
Electrical Characteristics at 20°C according to IEC 61156-5

Frequency	1	4	10	16	20	31.2	65.2	100	200	250	300	MHz
Attenuation	2	3.7	5.8	7.4	8.3	10.4	15	19.3	28.3	32.1	35.6	dB/100m
NEXT	75.3	66.3	61.8	58.6	57.1	54	49.1	45.8	40.9	39.3	38.1	dB/100m
PS NEXT	73.3	64.3	59.8	56.6	55.1	52	47.1	43.8	38.9	37.3	36.1	dB/100m
ARC	73.3	62.6	56	51.2	48.8	43.6	34.1	26.5	12.6	7.2	0.5	dB/100m
PS ACR	71.3	60.6	54	49.2	46.8	41.6	32.1	24.5	10.6	5.2	-1.5	dB/100m
FEXT	70.8	58.8	50.8	46.7	44.8	40.9	34.9	30.8	22.8	22.8	21.3	dB/100m
EL FEXT	67.8	55.8	47.8	43.7	41.8	37.9	31.9	27.8	21.8	19.8	18.3	dB/100m
Return loss	20	23	25	25	25	23.6	21.5	20.8	19.5	18	17.5	dB/100m
TCL	40	40	40	38	37	35.1	32.6	30	27	26.5	-	dB/100m
EL TCTL	35	23	15	10.9	9.0	5.1	-	-	-	-	-	dB/100m
Progration delay	570	552	545	543	540	539	538	537	537	537	536	dB/100m

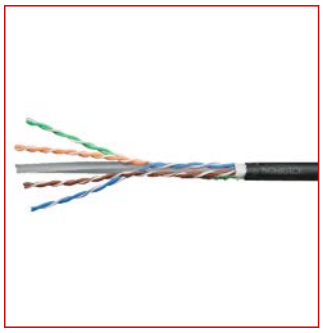
* Limits below 4 MHz are informative.

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
U/UTP Cable Cat.6, 4x2xAWG24/1, 300MHz, LS0H B2ca-s1a-d1-a1, blue, Sale per meter	19,00kg/km		**HSEKU423BB**
U/UTP Cable Cat.6, 4x2xAWG24/1, 300MHz, LS0H B2ca-s1a-d1-a1, blue, Drum 500m	19,00kg/km		**HSKU423BB5**

Installation Cables U/UTP Cat.6 300MHz AWG23



HSEKU423x1



HSEKU423E3

Schrack-Info

Installationcables for generic, structured network cabling systems. Support all applications requiring Class D to Class E (e.g. 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.

TOOL LESS | U/UTP | Cat. 6 | LSOH | PVC | PE | E_{ca}

Technical Data

	HSEKU423P1	HSEKU423H1	HSEKU423E3
Standards:	ISO/IEC 11801, EN 50173-1 Cat.6 acc. IEC 61156-5, EN 50288-6-1		
Conductor:	4 unshielded, twisted pairs		
Conductor material:	Solid bare copper AWG23/1 (0.58mm)		
Cross separator:	Polyethylene (PE)		-
Insulation material:	Polyethylene (PE)		LDPE
Nominal diameter over insulation	0.96mm		0.5mm
Jacket:	PVC	LS0H acc. to IEC 60332-1, EN 60332-1	Polyethylen (PE)
Reaction to fire:	E_{ca}		-
Outside diameter:	5.7mm		6.5mm
Jacket colour:	Blue RAL5015		Black RAL9005
Temperature range during operation, storage:	-30°C to +60°C		-10°C to +60°C
Temperature range during installation:	0°C to +50°C		
Min. bend radius during operation:	3 x D		4 x D
Min. bend radius during installation:	6 x D		8 x D
Max. pulling strength:	80N		90N
Total cable weight:	37kg/km		30kg/km
NVP (Nominal velocity of propagation):	0.70c		0.69c

Electrical Characteristics at 20°C according to IEC 61156-5

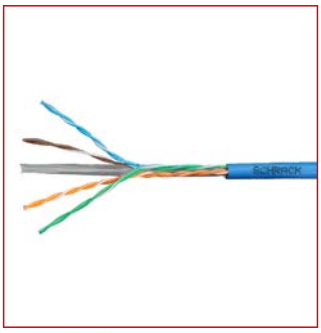
Frequency	1	4	10	16	31.2	62.5	100	155	200	250	300	MHz
Attenuation	2.1	3.8	6	7.6	10.7	15.5	19.9	25.3	29.1	33	-	dB/100m
NEXT	75.3	66.3	60.3	57.2	52.9	48.4	45.3	42.4	40.8	39.9	-	dB/100m
PS NEXT	72.3	63.3	57.3	54.2	49.9	45.4	42.3	39.4	37.8	36.3	-	dB/100m
ARC	73.2	62.4	54.3	49.6	42.1	32.9	25.4	17.1	11.6	6.3	-	dB/100m
PS ACR	70.2	59.4	51.3	46.6	39.1	29.9	22.4	14.1	8.6	3.3	-	dB/100m
ACR-F	70	58	50	45.9	40.1	34.1	30	26.2	24	22	-	dB/100m
PS ACR-F	67	55	47	42.9	37.1	31.1	27	23.2	21	19	-	dB/100m
Return loss	20	23	25	25	23.6	21.5	20.1	18.8	18	17.3	-	dB/100m
TCl level 1	40	34	30	28	25.1	22	20	18.1	17	16	-	dB/100m
EL TCTL	35	23	15	10.9	5.1	-	-	-	-	-	-	dB/100m
Impedance upper limit	122.2	15.2	111.9	111.9	114.1	118.3	121.9	126	128.8	131.5	-	Ω
Impedance lower limit	81.8	86.8	89.4	89.4	87.7	84.5	82	79.3	77.6	76	-	Ω
Propagation delay	570	552	545	543	539	538	537	537	537	536	-	dB/100m

* Limits below 4 MHz are informative.

Installation Cables U/UTP Cat.6 300MHz AWG23

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
U/UTP Cable Cat.6, 4x2xAWG23/1, 300MHz, PVC Eca, blue, Sale per meter	20,00kg/km		**HSEKU423P1**
U/UTP Cable Cat.6, 4x2xAWG23/1, 300MHz, PVC Eca, blue, Box 305m	20,00kg/km		**HSKU423P13**
U/UTP Cable Cat.6, 4x2xAWG23/1, 300MHz, PVC Eca, blue, Drum 500m	20,00kg/km		**HSKU423P15**
U/UTP Cable Cat.6, 4x2xAWG23/1, 300MHz, LS0H Eca, blue, Sale per meter	20,00kg/km		**HSEKU423H1**
U/UTP Cable Cat.6, 4x2xAWG23/1, 300MHz, LS0H Eca, blue, Box 305m	20,00kg/km		**HSKU423H13**
U/UTP Cable Cat.6, 4x2xAWG23/1, 300MHz, LS0H Eca, blue, Drum 500m	20,00kg/km		**HSKU423H15**
U/UTP Cable Cat.6, 4x2xAWG23/1 PE OUTDOOR, black, Box 305m	20,00kg/km		**HSEKU423E3**

Installation Cables U/UTP Cat.6 300MHz AWG24



HSEKU423x4

Schrack-Info

Installationcables for generic, structured network cabling systems.
Support all applications requiring Class D to Class E (e.g. 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.

TOOL LESS | U/UTP | Cat. 6 | LSOH | PVC | E_{ca}

Technical Data

	HSEKU423P4	HSEKU423H4
Standards:	ISO/IEC 11801, EN 50173-1 Cat.6 nach IEC 61156-5, EN 50288-6-1	
Conductor:	4 unshielded twisted pairs	
Conductor material:	Solid bare copper, AWG24/1 (0.53mm)	
Insualtion material:	Polyethylene (PE)	
Nominal diameter over insulation:	0.97 mm	
Jacket:	PVC	LSOH, FRNC acc. to IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-1, EN 60332-1
Reaction to fire:	E_{ca}	
Outside diameter:	5.7mm	
Jacket colour:	Blue RAL5015	
Temperature range during operation, storage:	-10°C bis +60°C	
Temperature range during installation:	0°C bis +50°C	
Min. bend radius during operation:	4 x D	
Min. bend radius during installation:	4 x D	
Max. pulling strength:	100N	
Total cable weight:	36 kg/km	
NVP (Nominal velocity of propagation):	0.69 c	

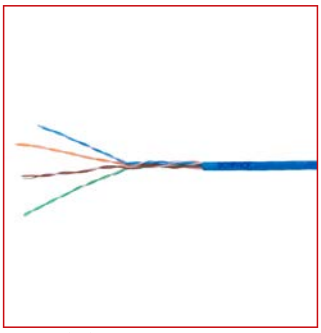
Electrical Characteristics at 20°C according to IEC 61156-5

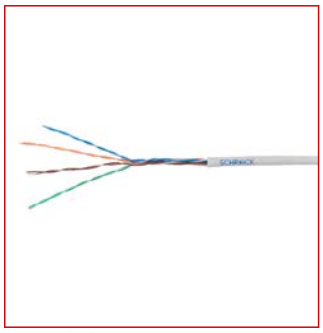
Frequency	1	4	10	16	20	25	31.25	62.5	100	200	250	300	MHz
Attenuation	2	3.8	6	7.6	8.5	9.5	10.7	15.4	19.8	29	32.8	36.4	dB/100m
NEXT	74.3	65.3	59.3	56.2	54.8	53.3	51.9	47.4	44.3	39.8	38.3	37.1	dB/100m
PS NEXT	72.3	63.3	57.3	54.2	52.8	51.3	49.9	45.4	42.3	37.8	36.3	35.1	dB/100m

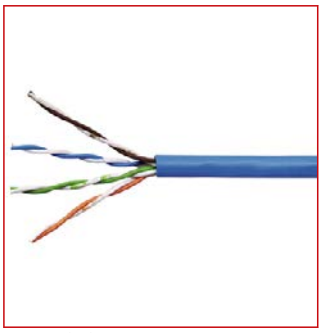
* Limits below 4MHz are informative.

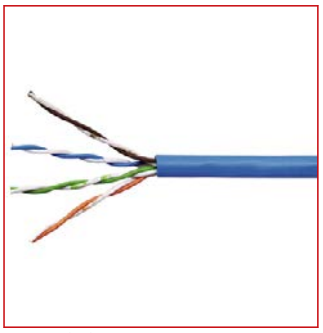
DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
U/UTP Cable Cat.6, 4x2xAWG24/1, 300MHz, PVC Eca, blue, Box 305m	18,00kg/km		**HSEKU423P4**
U/UTP Cable Cat.6, 4x2xAWG24/1, 300MHz, LSOH Eca, blue, Box 305m	18,00kg/km		**HSEKU423H4**

Installation Cables U/UTP Cat.5e


HSEKU424P1


HSEKU424P0


HSEKU424PB


HSEKU424H1


HSEKU424E3

Schrack-Info

Installationcables for generic, structured network cabling systems.
Support all applications requiring Class D (e.g. 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.

TOOL LESS | U/UTP | Cat. 5e | LSOH | PVC | PE | E_{ca}

Technical Data

	HSEKU424P1	HSEKU424P0	HSEKU424PB	HSEKU424H1	HSEKU424E3
Standards:	ISO/IEC 11801, EN 50173 Cat.5 acc. to IEC 61156-5, EN 50288-3-1				
Conductor:	4 unshielded twisted pairs				
Conductor material:	Solid bare copper, AWG24/1				
Insulation material:	High density Polyethylene (HDPE)				
Nominal diameter over insulation:	0.9mm				0.91mm
Overall braid:	ungeschirmt				
Jacket:	PVC			LSOH acc. to IEC 60332-1 EN 60332-1	PE
Reaction to fire:	Eca				-
Outside diameter:	5.2mm				5.1mm
Jacket colour:	Blue RAL5015	Grey RAL7032	Blue RAL5015		Black RAL9005
Temperature range during operation, storage:	-10°C bis +60°C				
Temperature range during installation:	0°C bis +50°C				
Min. bend radius during operation:	4 x D				
Min. bend radius during installation:	8 x D				
Max. pulling strength:	90N				
Total cable weight:	30kg/km				
NVP (Nominal velocity of propagation):	0.69c				

Electrical Characteristics at 20°C according to IEC 61156-5

Frequency	1	4	8	10	16	20	25	31.25	62.5	100	125	MHz
Attenuation	-	4.1	5.8	6.5	8.2	9.3	10.4	11.7	17	22	25	dB/100m
NEXT	65	56	51	50	47	45	44	42	38	35	34	dB/100m
PS NEXT	62	53	48	47	44	42	41	39	35	32	31	dB/100m

* Limits below 4MHz are informative.

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
U/UTP Cable Cat.5e, 4x2xAWG24/1, PVC Eca, blue, Box 305m	15,00kg/km		**HSEKU424P1**
U/UTP Cable Cat.5e, 4x2xAWG24/1, PVC Eca, grey, Box 305m	15,00kg/km		**HSEKU424P0**
U/UTP Cable Cat.5e, 4x2xAWG24/1, PVC Eca, blue, Drum 500m	15,00kg/km		**HSEKU424PB**
U/UTP Cable Cat.5e, 4x2xAWG24/1, LSOH Eca, blue, Box 305m	15,00kg/km		**HSEKU424H1**

Order. no. blue: On stock, usually ready for delivery on the day of order

Installation Cables U/UTP Cat.5e

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
U/UTP Cable Cat.5e, 4x2xAWG24/1 PE OUTDOOR, black, Box 305m	15,00kg/km		**HSEKU424E3**

Coaxcables DIGI-SAT 3040



XC1609801

TOOL LESS | SAT | KLASSE A CLASS | 110dB | PVC | E_{ca}

Schrack-Info

- Class A, SAT- and Digital use
- 75Ω, 1.02mm / 4.60mm / 6.80mm, PVC
- Screening effectiveness: 110dB
- Triple Shielding

DESCRIPTION	AVAILABLE	ORDER NO.
DIGI-SAT 3040 Coaxcable 75Ω, 1,02/4,6/6,8mm Cu, triple shielding, 110dB, Class A, PVC, Eca, white, Spool 100m		**XC1609801**
DIGI-SAT 3040 Coaxcable 75Ω, 1,02/4,6/6,8mm Cu, triple shielding, 110dB, Class A, PVC, Eca, white, Drum 500m		**XC1609803**

Coaxcables DIGI-SAT 3030



XC1609901

Schrack-Info

- Class A, SAT- and Digital use
- 75Ω, 1.02mm / 4.60mm / 6.80mm, PVC
- Screening effectiveness: 100dB
- Triple Shielding

DESCRIPTION	AVAILABLE	ORDER NO.
DIGI-SAT 3030 Coaxcable 75Ω, 1,02/4,6mm Cu, triple shielding, 100dB, Class A, PVC, Eca, white, Spool 100m		**XC1609901**
DIGI-SAT 3030 Coaxcable 75Ω, 1,02/4,6mm Cu, triple shielding, 100dB, Class A, PVC, Eca, white, Drum 500m		**XC1609903**

Coaxcables DIGI-SAT 3011 PE OUTDOOR



XC1601501

Schrack-Info

- Class A, SAT- and Digital use
- 75Ω, 1.13mm / 4.8mm / 6.8mm, PE
- Screening effectiveness: 90dB
- For outdoor use

DESCRIPTION	AVAILABLE	ORDER NO.
DIGI-SAT 3011 Coaxcable 75Ω, 1,13/4,8/6,8mm CCS, double shielding, 90dB, Class A, PE OUTDOOR, black Spool 100m		**XC1601501**
DIGI-SAT 3011 Coaxcable 75Ω, 1,13/4,8/6,8mm CCS, double shielding, 90dB, Class A, PE OUTDOOR, black Drum 500m		**XC1601503**

Coaxcables DIGI-SAT 3010



XC1609401

Schrack-Info

- Class A, SAT- and Digital use
- 75Ω, 1.13mm / 4.80mm / 6.80mm, PVC
- Screening effectiveness: 95dB

DESCRIPTION	AVAILABLE	ORDER NO.
DIGI-SAT 3010 Coaxcable 75Ω, 1,13/4,8mm Cu, double shielding, 95dB, Class A, PVC, Eca, white, Spool 100m		**XC1609401**
DIGI-SAT 3010 Coaxcable 75Ω, 1,13/4,8mm Cu, double shielding, 95dB, Class A, PVC, Eca, white, Drum 500m		**XC1609403**

Coaxcables DIGI-SAT 3000



XC1608901

Schrack-Info

- Class A, SAT- and Digital use
- 75Ω, 1.02mm and 1,0mm / 4.60mm / 6.60mm, PVC or LS0H
- Screening effectiveness: 90 / 95dB

DESCRIPTION	AVAILABLE	ORDER NO.
DIGI-SAT 3000 Coaxcable 75Ω, 1,02/4,6mm CCS, double shielding, 90dB, Class A, PVC, Eca, white, Spool 100m		**XC1608901**
DIGI-SAT 3000 Coaxcable 75Ω, 1,02/4,6mm CCS, double shielding, 90dB, Class A, PVC, Eca, white, Drum 500m		**XC1608903**
DIGI-SAT 3000 Coaxcable 75Ω, 1,0/4,6/6,6mm Cu, double shielding, 95dB, Class A, LS0H, Eca, white, Spool 100m		**XC1608911**
DIGI-SAT 3000 Coaxcable 75Ω, 1,0/4,6/6,6mm Cu, double shielding, 95dB, Class A, LS0H, Eca, white, Drum 500m		**XC1608913**

Coax Compression Connectors F


XC16004983


XC16005183


XC160051PE


XC1600720

Schrack-Info

XC16004983
- For cables 1.0mm, DIGI-SAT 3000 (XC16089xx), DIGI-SAT 3030 (XC160990x), DIGI-SAT 3040 (XC160980x) and DIGI-SAT 3050 (XC1612023)

XC16005183
- For cables 1.1mm, DIGI-SAT 3010 (XC160940x)

XC160051PE
- For cables PE, DIGI-SAT 3011 (XC160150x)

XC1600720
- For compression connectors XC16004983, XC16005183 and XC160051PE

TOOL LESS SAT

DESCRIPTION	AVAILABLE	ORDER NO.
SAT Coax F-connector Compression for cables 1.0mm, DIGI-SAT 3000 (XC16089xx), DIGI-SAT 3030 (XC160990x), DIGI-SAT 3040 (XC160980x) and DIGI-SAT 3050 (XC1612023)		**XC16004983**
SAT Coax F-connector Compression for cables 1.1mm, DIGI-SAT 3010 (XC160940x)		**XC16005183**
SAT Coax F-connector Compression for cables PE, DIGI-SAT 3011 (XC160150x)		**XC160051PE**
SAT Coax Compression Tool for F-connector XC16004983, XC16005183 and XC160051PE		**XC1600720**

Coax Connectors



XC1600700

TOOL LESS SAT

Schrack-Info

- Suitable for coax cables with a dielectric diameter between 4.6 - 4.9 mm
- Suitable for coax cables with a dielectric diameter between 6.6 - 6.8 mm

DESCRIPTION	AVAILABLE	ORDER NO.
Coax F-Connector male, screwable, for cable 6.6 - 6.8mm		**XC1600700**

Coax Adapters



HS4HFBIS-1



HS4HFBIB-1



XC1600702

Schrack-Info

- Adapter between F and IEC connectors
- Allows switching of male / female connector

TOOL LESS SAT

DESCRIPTION	AVAILABLE	ORDER NO.
Coax Adapter F-female to IEC-male		**HS4HFBIS-1**
Coax Coupler F-female to F-female		**XC1600702**
Coax Adapter F-female to IEC-female		**HS4HFBIB-1**

Coax Tools



XC1600710



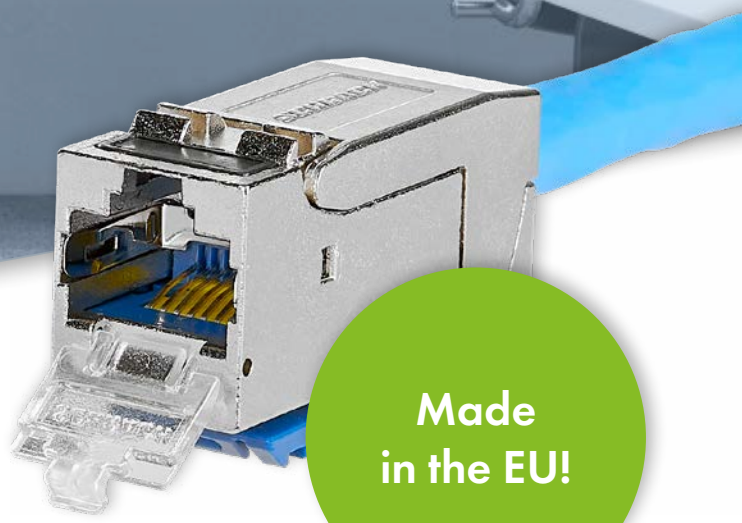
XC1600720

Schrack-Info

- Matching for all SCHRACK DIGI-SAT coax cables

DESCRIPTION	AVAILABLE	ORDER NO.
DIGI-SAT Cable Stripper for coax cable XC160.... With 6.6 - 6.8mm and 11mm diameter		**XC1600710**
SAT Coax Compression Tool for F-connector XC16004983, XC16005183 and XC160051PE		**XC1600720**

SUSTAINABLE CONNECTION



Made
in the EU!

S-JACK

Cat.6$_A$ System MODULAR



Sustainable packaging

- Packed in carton
- Available as a 24-piece carton box

Compatible with VISIO S

- Compatible with all standard UAE Design compatible switch programs, such as SCHRACK VISIO S 55 and SCHRACK VISIO S 50
- The HSED02UMBV UAE module insert can be fitted with one or two HSEMRJ6GSx (S-JACK) RJ45 modules



Strong Strain Relief

- Strain relief far above the standard specification with the patented claw technology
- Safe contacting of the shielding thanks to special claw tips



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- RJ45 jacks Cat.6A shielded 10GB ..... Page 118
- Compatibility list jacks / outlets / panels ..... Page 119
- Integration of the jacks into the Schrack Technik switch programs ..... Page 120
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- Design VISIO S CUBIC covers, frames, on-wall boxes ..... Page 123
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- DIN rail adaptors ..... Page 134
- Patch panels 19", 10", on-wall mounted ..... Page 135
- Tools ..... Page 140
- Patch cords shielded Cat.6_A 10GB ..... Page 141
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S-JACK Modules RJ45 shielded Cat.6$_A$ Schrack Format B (SFB)



HSEMRJ6GSx



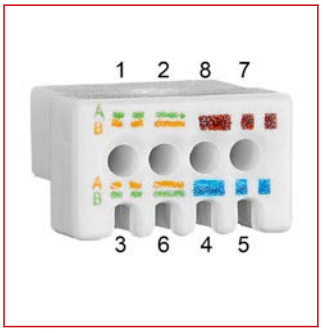
HSEMRJ6GSx



HSEMRJ6GS2



HSEMRJ6GS1



HSEMRJZS01

Schrack-Info

The S-JACK jacks HSEMRJ6GSx are modules in Schrack Format B (SFB).
The RJ45 jacks comply with Cat.6$_A$ for 10 Gigabit Ethernet.
They are tool-less jacks and can be wired without special tools.
For easier crimping it is recommended to use the parallel pliers HSPTOOL1.
The RJ45 modules have a particularly robust mechanical design and their compact construction ensures a high packing density of up to 48 RJ45 connections on 1U.
Integration in standard switch programs (e.g.: SCHRACK VISIO) when using the design-capable data outlets.
The modules are made of zinc die-cast with a nickel-plated surface.
The special contact geometry in combination with a 30µin gold plating ensures PoE , PoE+ and 4PPoE 100W under all conditions.
Wire Manager for S-JACK available separately as a replacement in case of loss.

S-JACK | SFB | Cat. 6$_A$ | 10GB | 4PPoE

DESCRIPTION	AVAILABLE	ORDER NO.
S-JACK Module RJ45 shielded, Cat.6$_A$ 10GB, 4PPoE 100W, SFB, 24 pieces Box		**HSEMRJ6GS2**
S-JACK Module RJ45 shielded, Cat.6$_A$ 10GB, 4PPoE 100W, SFB, Single Pack		**HSEMRJ6GS1**
Wire Manager for S-JACK and PERFORMANCE LINE, white, Replacement (are included in standard delivery of jacks), 24 pieces		**HSEMRJZS01**

S-JACK Compatibility

			Art. Nr. Modules	
			HSEMRJ6GS1	HSEMRJ6GS2
Description			Cat.6$_A$ Jack RJ45S S-JACK 1	Cat.6$_A$ Jack RJ45S S-JACK 24
Design compatible outlet UAE		HSED02UMBV	✓	✓
VISIO S 55 UAE		EV104314 EV114314 EV124314 EV104312 EV114312 EV124312	✓	✓
VISIO S 50 UAE		EV104012 EV114012 EV124012	✓	✓
VISIO S 50		EV104003 EV104004 EV114003 EV114004 EV124003 EV124004	✓	✓
VISIO 45		ET105002 ET105004 ET112018 ET102018 ET112017 ET102017	✓	✓
Angled outlet		HSED01UW2S HSED02UW2S HSED03UW2S	✓	✓
Straight outlet		HSED02UW1S	✓	✓
Design compatible outlet UAE		HSED02UWBS	✓	✓
45 x 45 outlet		HSEMD01W1F HSEMD02W2F	✓	✓
IP44		HSEIP44AUT	✓	✓
IP44 / IP20		HSEIP44AP	✓	✓
DIN-rail adapter		HSERH010GS	✓	✓
Panels 12 / 24 / 48		HSER0240GS HSER0240GP HSER0240SP HSER0240GV HSER0240GZ HSER0480GS HSER0120GS	✓	✓
Panel High Density 48 modules		HSER0480SB	✓	✓
Panel Desktop 8 modules		HSER0080GV	✓	✓

Integration into Schrack Technik Switch-Program S-JACK

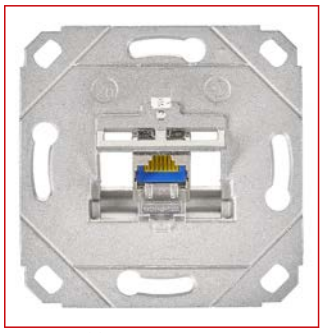
			UAE-design compatible	
VISIO S 55	**1 module S-JACK**	**2 modules S-JACK**	**1 module S-JACK**	**2 modules S-JACK**
Carrier insert	EV104005		HSED02UMBV	
Centralplate 55x55mm, white	EV104303	EV104304	EV104314	EV104312
Centralplate 55x55mm, anthracite	EV114303	EV114304	EV114314	EV114312
Centralplate 55x55mm, silver	EV124303	EV124304	EV124314	EV124312
Centralplate 55x55mm, black	EV134303	EV134304	EV134314	EV134312
Frame 55x55mm, 1-gang, white	EV105301			
Frame 55x55mm, 1-gang, anthracite	EV115301			
Frame 55x55mm, 1-gang, silver	EV125301			
Frame 55x55mm, 1-gang, black	EV135301			
Frame 55x55mm, 2-gang, white	EV105302			
Frame 55x55mm, 2-gang, anthracite	EV115302			
Frame 55x55mm, 2-gang, silver	EV125302			
Frame 55x55mm, 2-gang, black	EV135302			
Wallmount box, white	EV105306			
Wallmount box, anthracite	EV115306			
Wallmount box, silver	EV125306			
Wallmount box, black	EV135306			
Double Wallmount box, white	EV105307			
Double Wallmount box, anthracite	EV115307			
Double Wallmount box, silver	EV125307			
Double Wallmount box, black	EV135307			

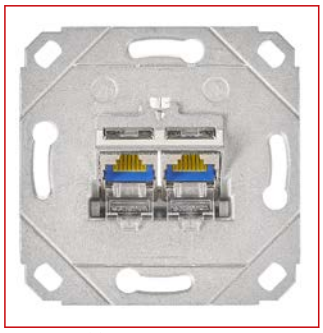
			UAE-design compatible
VISIO S 50	**1 module S-JACK**	**2 modules S-JACK**	**2 modules S-JACK**
Carrier insert	EV104005		HSED02UMBV
Centralplate 50x50mm, white	EV104003	EV104004	EV104012
Centralplate 50x50mm, anthracite	EV114003	EV114004	EV114012
Centralplate 50x50mm, silver	EV124003	EV124004	EV124012
Frame 50x50mm, 1-gang, white	EV105001		
Frame 50x50mm, 1-gang, anthracite	EV115001		
Frame 50x50mm, 1-gang, silver	EV125001		
Frame 50x50mm, 2-gang, white	EV105002		
Frame 50x50mm, 2-gang, anthracite	EV115002		
Frame 50x50mm, 2-gang, silver	EV125002		
Wallmount box, white	EV105006		
Wallmount box, anthracite	EV115006		
Wallmount box, silver	EV125006		
Double Wallmount box, white	EV105007		
Double Wallmount box, anthracite	EV115007		
Double Wallmount box, silver	EV125007		

VISIO 45	**1 module S-JACK**	**2 modules S-JACK**
Carrier insert	ET105002	ET105004
Centralplate, white	ET102017	ET102017 (2x)
Centralplate, black	ET112017	ET112017 (2x)
Frame 45x45mm, white	ET105010	ET105014
Frame 45x45mm, black	ET115010	ET115014
Frame 45x45mm, beige	ET125010	ET125014
Frame 45x45mm, silver	ET135010	ET135014
Wallmount box 2M, white	ET105036	
Wallmount box 4M, white	ET105037	
Wallmount box 6M, white	ET105038	

S-JACK / VISIO Module insert UAE design for one or two S-JACK Modules without Centralplate, without Cover


HSED02UMBV


HSED02UMBV


HSED02UMBV

Schrack-Info

The UAE module insert HSED02UMBV can be equipped with one or two HSEMRJ6GSx (S-JACK) RJ45 modules.

- One module is inserted into the center of the insert.
- Two modules are inserted side by side.

Compatible with all common design-compatible switch programs, such as the SCHRACK VISIO S 55 and SCHRACK VISIO S 50 covers and matching frames in pure white, anthracite, silver and black.
Two screws of different lengths (M2.5x5mm - M2.5x8mm) are included to suit the different designs of the switch programs.
Suitable for VISIO S 55 (1 or 2 modules) and VISIO S 50 (2 modules) covers.
Suitable for UAE covers SCHRACK VISIO S 55 (1 or 2 modules) and SCHRACK VISIO S 50 (2 modules), as well as for UAE covers from other switch program vendors.

S-JACK | VISIO | SFB | STP | Cat. 6$_A$ | 10GB

DESCRIPTION	AVAILABLE	ORDER NO.
Module insert empty for one or two S-JACK or two TOOLLESS LINE SFB-modules, angled, UAE Design switchprogramme compatible.		**HSED02UMBV**

Covers VISIO S 55 UAE design


EV104314


EV114314


EV124314


EV134314


EV104312


EV114312


EV124312


EV134312

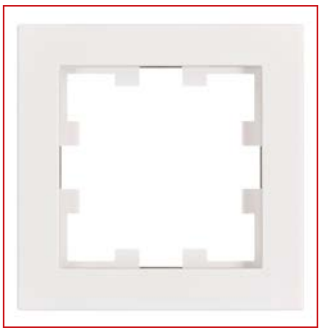
Schrack-Info

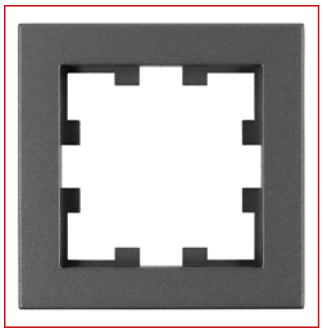
Covers (1-gang and 2-gang) suitable for the module insert HSED02UMBV.
Material: halogen-free plastic.
The cover has a labeling field in order to differentiate individual network circuits from each other.
The cover is fixed to the central plate with a screw located under the labelling field.
Dimensions: 55x55x15mm
Suitable for module insert HSED02UMBV and frame VISIO S CUBIC.

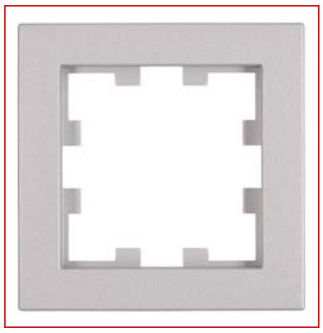
S-JACK VISIO S 55

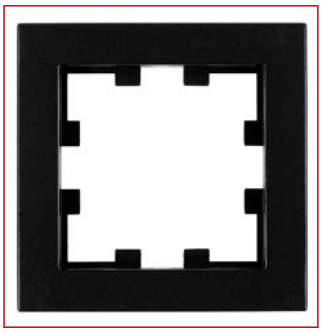
DESCRIPTION	AVAILABLE	ORDER NO.
1-gang, white		**EV104314**
1-gang, anthracite		**EV114314**
1-gang, silver		**EV124314**
1-gang, black		**EV134314**
2-gang, white		**EV104312**
2-gang, anthracite		**EV114312**
2-gang, silver		**EV124312**
2-gang, black		**EV134312**

Single frame Design VISIO S CUBIC


EV105301


EV115301


EV125301


EV135301

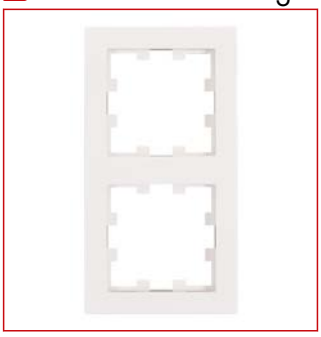
Schrack-Info

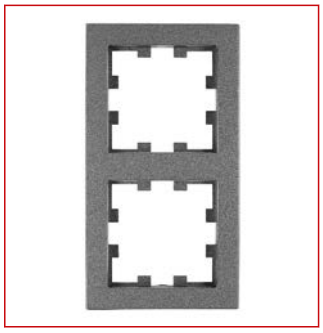
Dimensions: 81x81mm (55x55mm)
Suitable for covers VISIO S 55

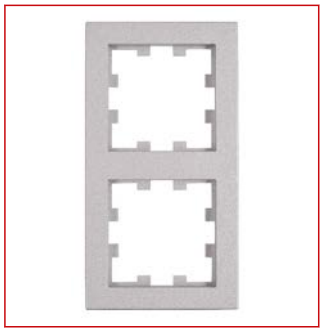
S-JACK VISIO S 55

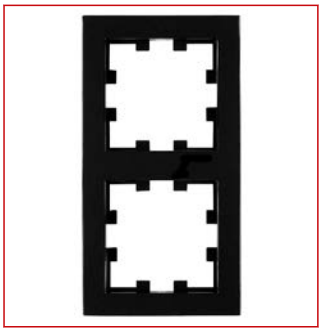
DESCRIPTION	AVAILABLE	ORDER NO.
White		**EV105301**
Anthracite		**EV115301**
Silver		**EV125301**
Black		**EV135301**

Double frame Design VISIO S CUBIC


EV105302


EV115302


EV125302


EV135302

Schrack-Info

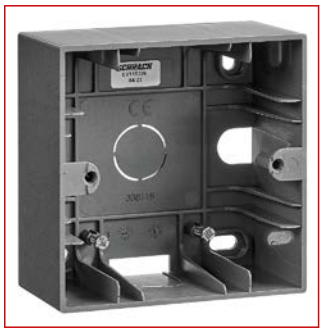
Dimensions: 81x154mm (55x55mm)
Suitable for covers VISIO S 55

S-JACK VISIO S 55

DESCRIPTION	AVAILABLE	ORDER NO.
White		**EV105302**
Anthracite		**EV115302**
Silver		**EV125302**
Black		**EV135302**

Wallmount box VISIO S CUBIC one gang


EV105306


EV115306


EV125306


EV135306

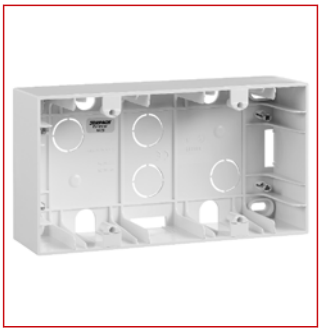
Schrack-Info

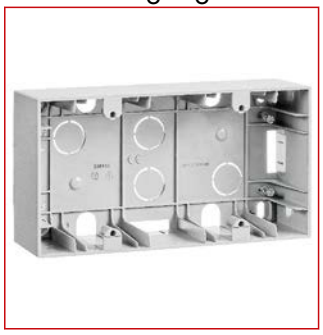
Dimensions: 80x80mm (55x55mm)
Suitable for frame VISIO S CUBIC

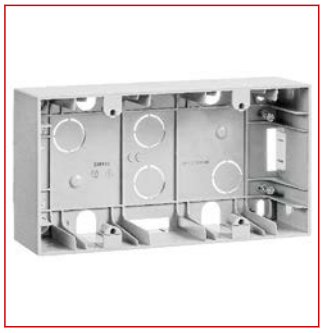
TOOL LESS VISIO S 55

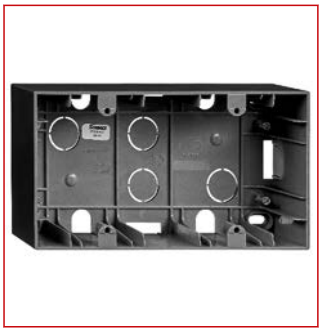
DESCRIPTION	AVAILABLE	ORDER NO.
White		**EV105306**
Anthracite		**EV115306**
Silver		**EV125306**
Black		**EV135306**

Wallmount box VISIO S CUBIC two gang


EV105307


EV115307


EV125307


EV135307

Schrack-Info

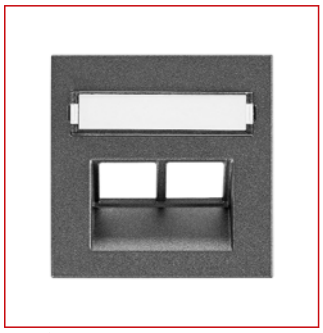
Dimensions: 80x152mm (55x55mm)
Suitable for frame VISIO S CUBIC

TOOL LESS VISIO S 55

DESCRIPTION	AVAILABLE	ORDER NO.
White		**EV105307**
Anthracite		**EV115307**
Silver		**EV125307**
Black		**EV135307**

Covers VISIO S 50 UAE design


EV104012


EV114012


EV124012

Schrack-Info

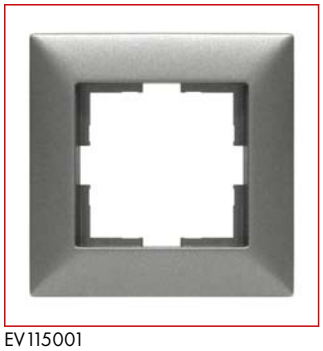
Covers for the module insert HSED02UMBV.
Material: halogen-free plastic.
The cover has a labeling field in order to differentiate individual network circuits from each other.
The cover is fixed to the module insert (central plate) with a screw located under the labelling field.
Dimensions: 50x50x15mm
Suitable for module insert HSED02UMBV and frame VISIO S CLASSIC.

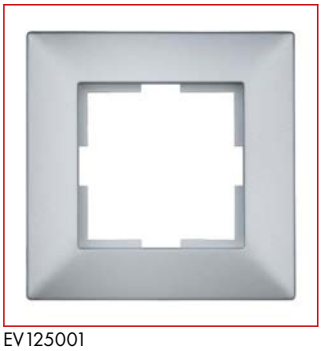
S-JACK VISIO S 50

DESCRIPTION	AVAILABLE	ORDER NO.
2-gang, white		**EV104012**
2-gang, anthracite		**EV114012**
2-gang, silver		**EV124012**

Single frame Design VISIO S CLASSIC


EV105001


EV115001


EV125001

Schrack-Info

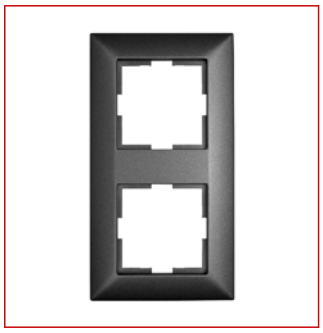
Dimensions: 81x81mm (50x50mm)
Suitable for covers VISIO S 50

S-JACK VISIO S 50

DESCRIPTION	AVAILABLE	ORDER NO.
White		**EV105001**
Anthracite		**EV115001**
Silver		**EV125001**

Double frame Design VISIO S CLASSIC


EV105002


EV115002


EV125002

Schrack-Info

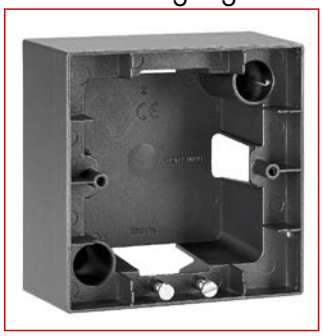
Dimensions: 81x154mm (50x50mm)
Suitable for covers VISIO S 50

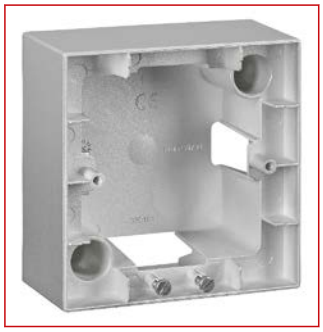
S-JACK VISIO S 50

DESCRIPTION	AVAILABLE	ORDER NO.
White		**EV105002**
Anthracite		**EV115002**
Silver		**EV125002**

Wallmount box VISIO S CLASSIC one gang


EV105006


EV115006


EV125006

Schrack-Info

Dimensions: 83x83mm (50x50mm)
Suitable for frame VISIO S CLASSIC

TOOL LESS VISIO S 50

DESCRIPTION	AVAILABLE	ORDER NO.
White		**EV105006**
Anthracite		**EV115006**
Silver		**EV125006**

Wallmount box VISIO S CLASSIC two gang


EV105007


EV115007


EV125007

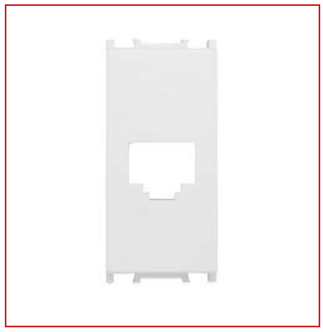
Schrack-Info

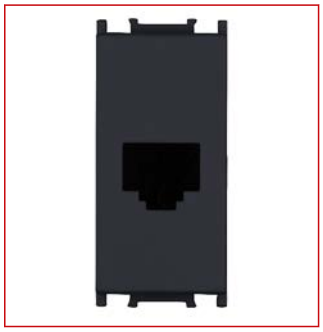
Dimensions: 83x154mm (50x50mm)
Suitable for VISIO S 50

TOOL LESS | VISIO S 50

DESCRIPTION	AVAILABLE	ORDER NO.
White		**EV105007**
Anthracite		**EV115007**
Silver		**EV125007**

Covers VISIO 45


ET102017


ET112017

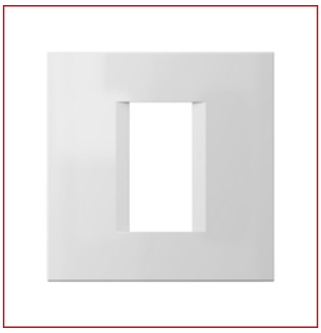
Schrack-Info

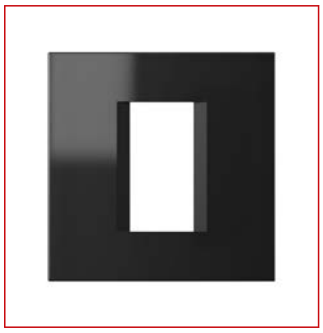
Central plate for one RJ45 module (S-JACK) made of halogen-free plastic.
The central plate is clipped into the VISIO 45 mounting frame.
Various mounting frames available for up to 7 modules.
Dimensions: 45x22.5mm
Suitable for frame VISIO 45.

S-JACK | VISIO

DESCRIPTION	AVAILABLE	ORDER NO.
Without dust protection, white		**ET102017**
Without dust protection, black		**ET112017**

Single frame Design VISIO 45


ET105010


ET115010


ET125010


ET135010

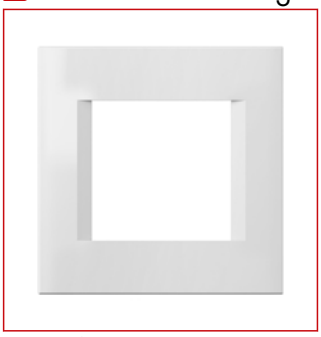
Schrack-Info

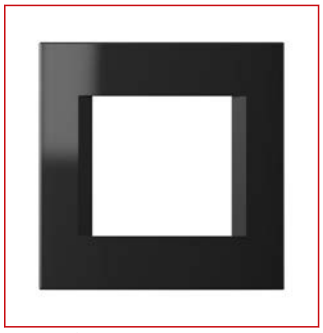
Dimensions: 81x81 mm (45x22.5mm)
Suitable for covers VISIO 45

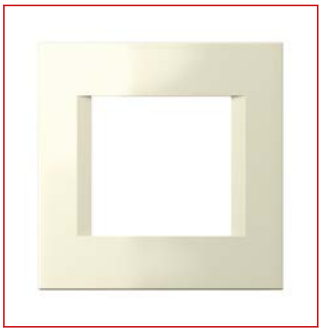
S-JACK VISIO

DESCRIPTION	AVAILABLE	ORDER NO.
White, STRAIGHT		**ET105010**
Black, STRAIGHT		**ET115010**
Ivory white, STRAIGHT		ET125010
Silver, STRAIGHT		ET135010

Double frame Design VISIO 45


ET105014


ET115014


ET125014


ET135014

Schrack-Info

Dimensions: 81x81 mm (45x45mm)
Suitable for covers VISIO 45

S-JACK VISIO

DESCRIPTION	AVAILABLE	ORDER NO.
White, STRAIGHT		**ET105014**
Black, STRAIGHT		**ET115014**
Ivory white, STRAIGHT		ET125014
Silver, STRAIGHT		**ET135014**

S-JACK Data Outlets 80x80mm, Standard


HSED01UW2S


HSED02UW2S


HSED03UW2S


HSED02UW1S


HSEDZBES


HSEAP842WF

Schrack-Info

This data-outlets comprise a die-cast zinc housing and are suitable for installation of all SCHRACK modules in Schrack Format A (SFA) and Schrack Format B (SFB).
These outlets come in color RAL9010 Pure white and are suitable for cable-duct installation (CI), for flush-mounting (FM) or for surface-mounting (SM) by means of a separate wallmount-box.

Floor-Box-installation (FB) is possible for angled outlets by breaking away 2 fastening lugs.

Each outlet comes with its own paper and window for labelling.
Delivery includes the centralplate, the cover 50x50mm and the frame 80x80mm.
The angled outlets have dust-protection flaps and a Fast On earthing point.
The labeling window is also available as a separate spare-part.
Outlets can be combined with switch-programs by use of a distance-frame.

S-JACK SFA SFB STP Cat. 6$_A$ 10GB

DESCRIPTION	AVAILABLE	ORDER NO.
Data Outlet 80x80mm empty for 1 module (SFA)(SFB), angled, RAL9010 Pure white		**HSED01UW2S**
Data Outlet 80x80mm empty for 2 modules (SFA)(SFB), angled, RAL9010 Pure white		**HSED02UW2S**
Data Outlet 80x80mm empty for 3 modules (SFA)(SFB), angled, RAL9010 Pure white		**HSED03UW2S**
Data Outlet 80x80mm empty for 2 modules (SFA)(SFB), straight, RAL9010 Pure white		**HSED02UW1S**
Paper, window and screws for HSED0xUWyS		**HSEDZBES**
Wallmount Box for HSED0xUWyS, W80xH40xD80mm, RAL9010 Pure white		**HSEAP842WF**

S-JACK Data Outlet 80x80mm, UAE design


HSED02UWBS


HSEDZBES


HSEAP842WF

Schrack-Info

This data-outlet comprise a die-cast zinc housing and is suitable for installation of all SCHRACK modules in Schrack Format B (SFB).
The outlet comes in color RAL9010 Pure white and is suitable for cable-duct installation (CI), for flush-mounting (FM) or for surface-mounting (SM) by means of a separate wallmount-box.
Design-compatibility is easily possible due to the UAE-compatible centralplate.
Replacing of cover is possible with all switch-programs that offer UAE-compatible covers.
Each outlet comes with its own paper and window for labelling.
Delivery includes the centralplate, the cover 50x50mm and the frame 80x80mm. When using cover and frame from a switch program, the included cover and frame are removed.
The outlet comes with two Fast On earthing points.
The labeling window is also available as a separate spare-part.
Suitable for UAE covers SCHRACK VISIO S 55 and VISIO S 50, as well as for UAE covers from other switch program vendors.

S-JACK SFB STP Cat. 6$_A$ 10GB

DESCRIPTION	AVAILABLE	ORDER NO.
Data Outlet 80x80mm empty for 2 modules (SFB), angled, RAL9010 pure white, UAE centralplate, Design switch-programme compatible		**HSED02UWBS**
Paper, window and screws for HSED0xUWyS		**HSEDZBES**
Wallmount Box for HSED0xUWyS, W80xH40xD80mm, RAL9010 Pure white		**HSEAP842WF**

S-JACK Data Outlets 45x45mm for one or two modules


HSEMD02W2F


HSEMD01W1F


HSEMDZ1W1F


HSEMDR2W0F


HSEMDR4W0F


HSEMDR6W0F


HSEAP842WF


HSEMAP4W3F


HSEMAP6W3F


HSEMHUT001

Schrack-Info

These covers 45x45mm are suitable for installation of all SCHRACK modules in Schrack Format A (SFA) and Schrack Format B (SFB).
The outlets come in color RAL9010 Pure white.
The DIN rail adapter HSEMHUT001 can be used with one cover HSEMD02W2F or two covers HSEMD01W1F.

S-JACK SFA SFB STP Cat. 6A 10GB

DESCRIPTION	AVAILABLE	ORDER NO.
Cover for 2 modules (SFA)(SFB), 45x45mm, angled, RAL9010 Pure white		**HSEMD02W2F**
Cover for 1 module, 45x22,5mm, straight, RAL9010 Pure white		**HSEMD01W1F**
Blindcover 45x22,5mm, RAL9010 Pure white		**HSEMDZ1W1F**
Frame Single 80x80mm for centralplate 45x45mm, RAL9010 Pure white		**HSEMDR2W0F**
Frame Double 80x148mm for centralplates 45x45mm, RAL9010 Pure white		**HSEMDR4W0F**
Frame Triple 80x205mm for centralplates 45x45mm, RAL9010 Pure white		**HSEMDR6W0F**
Wallmount Box for HSED0xUWyS, W80xH40xD80mm, RAL9010 Pure white		**HSEAP842WF**
Wallmount-Box W148 x H45 x D80mm for HSEMDR4W0F, RAL9010 Pure white		**HSEMAP4W3F**
Wallmount-Box W205 x H45 x D80mm for HSEMDR6W0F, RAL9010 Pure white		**HSEMAP6W3F**
DIN-rail adapter for 45x45 centralplates, RAL9010 Pure white		**HSEMHUT001**

S-JACK IP44 Wallmount Box



HSEIP44APT



HSEIP44AKT



HSEIP44AUT

Schrack-Info

The IP44 wallmount outlet in combination with the IP44 adapter insert is suitable for installation of all SCHRACK modules in Schrack Format A (SFA) and Schrack Format B (SFB).
The outlet comes in color RAL7035 Light grey.
To improve strain relief, we recommend to use the M25/ 2x8 cable gland which has been designed to accommodate two cables with a diameter from 3mm up to 8mm.

S-JACK | IP44 | SFA | SFB | STP | Cat. 6$_A$ | 10GB

DESCRIPTION	AVAILABLE	ORDER NO.
IP44 Wallmount Box empty, lockable, 90x90x90mm, RAL7035 Light grey		**HSEIP44APT**
IP44 data outlet cable gland M25 for 2 cables 3 - 8mm		**HSEIP44AKT**
IP44 Adapter empty for 2 modules (SFA)(SFB)		**HSEIP44AUT**

S-JACK IP44 Flushmount Box



HSEIP44UPT



HSEIP44UDT



HSEIP44AUT

Schrack-Info

The IP44 flushmount outlet in combination with the IP44 adapter insert is suitable for installation of all SCHRACK modules in Schrack Format A (SFA) and Schrack Format B (SFB).
The outlet comes in color RAL7035 Light grey.
The complete flushmount outlet needs both, the flushmount cover and the flushmount box.

S-JACK | IP44 | SFA | SFB | STP | Cat. 6A | 10GB

DESCRIPTION	AVAILABLE	ORDER NO.
IP44 Flushmount cover empty, lockable, 90x35x90mm, RAL7035 Light grey		**HSEIP44UPT**
IP44 Flushmount box for flushmount cover HSEIP44UPT, RAL7035 Light grey		HSEIP44UDT
IP44 Adapter empty for 2 modules (SFA)(SFB)		**HSEIP44AUT**

S-JACK IP44/IP20 (closed/open) Flushmount Box



HSEIP44AP

Schrack-Info

The robust wallmount box is suitable for installation of two modules in SCHRACK Format A (SFA) or SCHRACK Format B (SFB).
Two openings to break out for cables with a diameter of 7.0 - 9.5mm are located on the back side of the Wallmount Box.
The module holder reaches the protection class IP20 with the patch cable inserted, and the protection class IP44 in closed condition.

S-JACK | IP44 | SFA | SFB | STP | Cat. 6A | 10GB

DESCRIPTION	AVAILABLE	ORDER NO.
IP44/IP20 open/closed Wallmount Box empty for 2 modules (SFA)(SFB) W76xH58xD88mm, Black/Grey		**HSEIP44AP**

S-JACK DIN-Rail Adapter


HSERH010GS


HSERH010GS


HSERH010GS


IK623001


BS990176


BS900107LR

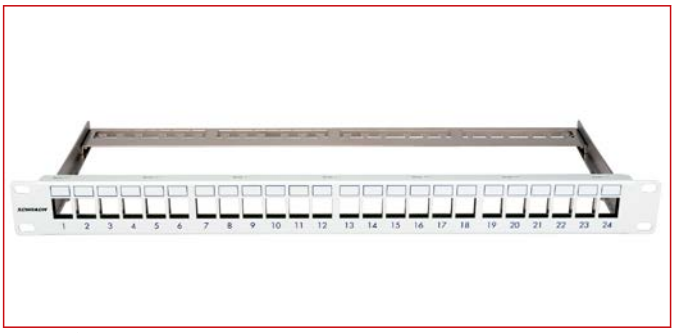
Schrack-Info

The DIN-rail adapter is suitable for installation of all SCHRACK modules in Schrack Format A (SFA) and Schrack Format B (SFB).
The adapter comes in color RAL7035 Light grey.
The width equals to one unit (ca. 17.5mm).
Shielded RJ45 modules are connected to the equipotential bonding terminals during click-in via a spring-type contact.
These terminals can be connected quickly and easily by using the BS990176 Small Connect busbar connection.
Labelling is possible by a paper behind a transparent plastic flap.
A "side cover" is included with every DIN-rail adapter.
This is used as contact protection for the outermost adapter in a row.
We recommend using the IK623001 end bracket to securely fix the row of adapters to the DIN-rail.

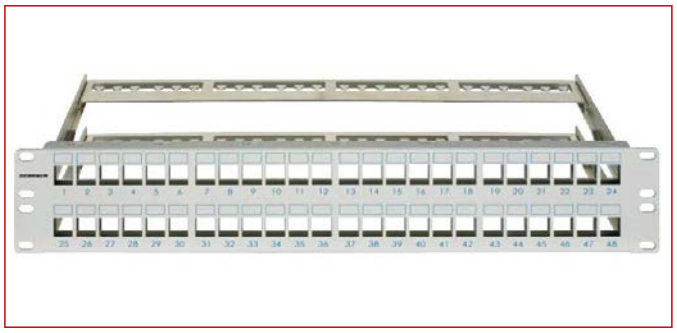
S-JACK | DIN rail | SFA | SFB | Cat. 6$_A$ | 10GB

DESCRIPTION	AVAILABLE	ORDER NO.
DIN rail adaptor empty for 1 module (SFA)(SFB), RAL7035 Lightgrey		**HSERH010GS**
End holder KD 3 snappable and screwable for TS 35 rail		**IK623001**
Small Connect, Busbar 1-pole, 1m, 1MW, Phase		**BS990176**
Busbar end caps, left and right, gray, for 1-pole-busbar BS990170		**BS900107LR**

S-JACK Patchpanels 19"



HSER0240GS



HSER0480GS



HSEMRZ01WF

Schrack-Info

These patchpanels 19" are suitable for installation of all SCHRACK modules in Schrack Format A (SFA) and Schrack Format B (SFB).
The patchpanels come in color RAL7035 Light grey.
Included in delivery are the installation materials (cable-ties, cage nuts with screws, potential equalisation cable) and a rigid cable-guide.
Direction of patchcords with clips down.The blindcover is shipped in packaging-units 25 pieces each (25, 50, 75, ...).

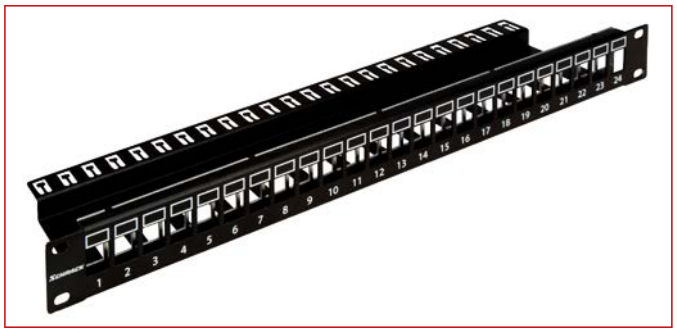
S-JACK | 19" | SFA | SFB | Cat. 6A | 10GB

DESCRIPTION	AVAILABLE	ORDER NO.
Patchpanel 19" empty for 24 modules (SFA)(SFB), 1U, RAL7035 Light grey, patchcord lock down		**HSER0240GS**
Patchpanel 19" empty for 48 modules (SFA)(SFB), 2U, RAL7035 Light grey, patchcord lock down		**HSER0480GS**
Blind cover for unused patchpanel ports, RAL9010 Pure white		**HSEMRZ01WF**

S-JACK Patchpanels 19", One piece Design



HSER0240GP



HSER0240SP



HSER0240GV



HSEMRZ01WF



HSEMRZ01WB

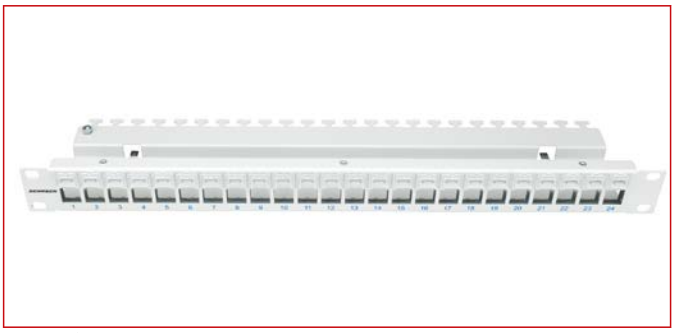
Schrack-Info

These patchpanels 19" are suitable for installation of all SCHRACK modules in Schrack Format A (SFA) and Schrack Format B (SFB).
The patchpanels come in color RAL7035 Light grey or RAL9005 Black.
Included in delivery are the installation materials (cable-ties, cage nuts with screws, potential equalisation cable) and a rigid cable-guide.
Single-piece design.
Direction of patchcords depending on version with clips down or top.The blindcover is shipped in packaging-units 25 pieces each (25, 50, 75, ...).

S-JACK | 19" | SFA | SFB | STP | Cat. 6$_A$ | 10GB

DESCRIPTION	AVAILABLE	ORDER NO.
Patchpanel 19" empty for 24 modules (SFA)(SFB), 1U, RAL7035 Light grey, single-piece design, patchcord lock down		**HSER0240GP**
Patchpanel 19" empty for 24 modules (SFA)(SFB), 1U, RAL9005 Black, single-piece design, patchcord lock down		**HSER0240SP**
Patchpanel 19" empty for 24 modules (SFA)(SFB), 1U, RAL7035 Light grey, single-piece design, patchcord lock top		**HSER0240GV**
Blind cover for unused patchpanel ports, RAL9010 Pure white		**HSEMRZ01WF**
Blind cover for unused patchpanel ports, RAL9005 Black		**HSEMRZ01WB**

S-JACK Patchpanels 19", One-piece Design, incl. Labeling Fields



HSER0240GZ



HSEMRZ01WF

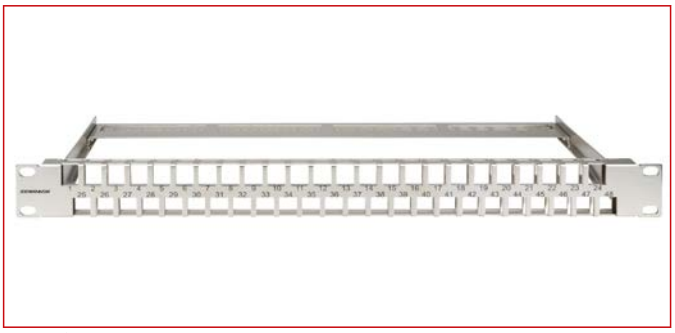
Schrack-Info

The patchpanel 19" is suitable for installation of all SCHRACK modules in Schrack Format A (SFA) and Schrack Format B (SFB).
The patchpanel comes in color RAL7035 Light grey and it has 24 transparent, hinged labelling windows for inserting labels 14.3 x 8.5mm.
Included in delivery are an A4 sheet having 396 precut labels and the installation materials (cable-ties, cage nuts with screws, potential equalisation cable) and a rigid cable-guide.
An Excel-template for printing labels on standard (Office-) printer is available free-of-charge in SCHRACK Webshop → Download area HSER0240GZ.
Single-piece design.
Direction of patchcords with clips top.The blindcover is shipped in packaging-units 25 pieces each (25, 50, 75, ...).

S-JACK | 19" | SFA | SFB | STP | Cat. 6A | 10GB

DESCRIPTION	AVAILABLE	ORDER NO.
Patchpanel 19" empty for 24 modules (SFA)(SFB), 1U, with labeling fields, RAL7035 Light grey, single-piece design, patchcord lock top		**HSER0240GZ**
Blind cover for unused patchpanel ports, RAL9010 Pure white		**HSEMRZ01WF**

S-JACK Patchpanels 19", High Density



HSER0480SB



HSEMRZ01WF

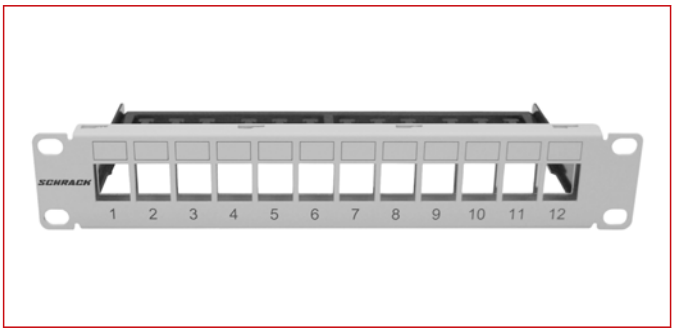
Schrack-Info

The High Density patchpanel 19" is suitable for installation of all SCHRACK modules in Schrack Format B (SFB) and for the unshielded Cat.6A jacks HEKFMAUGIx.
High packing density of 48 ports in a single heightunit.
Made from high-quality stainless steel. Included in delivery are the installation materials (cable-ties, cage nuts with screws, potential equalisation cable) and a rigid cable-guide in the rear.The blindcover is shipped in packaging-units 25 pieces each (25, 50, 75, ...).

S-JACK | 19" | SFB | STP | Cat. 6$_A$ | 10GB

DESCRIPTION	AVAILABLE	ORDER NO.
Patchpanel 19" empty for 48 modules (SFB), 1U, stainless steel, High Density		**HSER0480SB**
Blind cover for unused patchpanel ports, RAL9010 Pure white		**HSEMRZ01WF**

S-JACK Patchpanel 10"



HSER0120GS



HSEMRZ01WF

Schrack-Info

The patchpanel 10" is suitable for installation of all SCHRACK modules in Schrack Format A (SFA) and Schrack Format B (SFB).
The patchpanel comes in color RAL7035 Light grey.
Included in delivery are the installation materials (cable-ties, cage nuts with screws, potential equalisation cable) and a rigid cable-guide.
Direction of patchcords with clips down.The blindcover is shipped in packaging-units 25 pieces each (25, 50, 75, ...).

S-JACK | 10" | SFA | SFB | STP | Cat. 6A | 10GB

DESCRIPTION	AVAILABLE	ORDER NO.
Patchpanel 10" empty for 12 modules (SFA)(SFB), 1U, RAL7035 Light grey, patchcord lock down		**HSER0120GS**
Blind cover for unused patchpanel ports, RAL9010 Pure white		**HSEMRZ01WF**

S-JACK Patchpanel Desktop



HSER0080GV



HSERHUTADA

Schrack-Info

This desktop patchpanel is suitable for installation of all SCHRACK modules in Schrack Format A (SFA) and Schrack Format B (SFB).
The patchpanel comes in color RAL7035 Light grey.
The patchpanel kann be fixed to a wall.
Available accessories are adapter-clips (1PU = 2 pieces), which are needed to fix the patchpanel to a DIN-rail.

S-JACK | SFA | SFB | STP | Cat. 6A | 10GB

DESCRIPTION	AVAILABLE	ORDER NO.
Patchpanel Desktop empty for 8 modules (SFA)(SFB), RAL7035 Light grey		**HSER0080GV**
DIN-rail mounting clips (2 pieces) for HSERG086GV/HSER0080GV		**HSERHUTADA**

Tools


HSPTOOL1


HTOOL00002


HTOOL00003


HTOOL00005

Schrack-Info

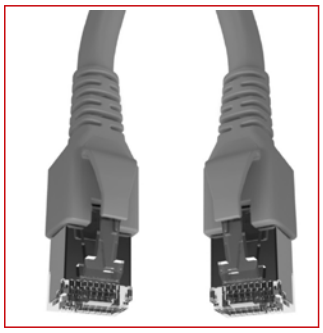
A flat side cutter is needed to cut the copper wires of the installation cable correctly when installing S-JACK modules.
For easy and quick closing of the cover, we recommend the use of parallel-plier HSPTOOL1.

S-JACK | SFA | SFB | STP | Cat. 6$_A$ | 10GB

DESCRIPTION	AVAILABLE	ORDER NO.
Parallel Plier for closing of S-JACK and PERFORMANCE LINE RJ45 modules		**HSPTOOL1**
Side cutter flat for wire up to 1.3mm diameter		**HTOOL00002**
Side cutter flat for wire up to 1.0mm diameter		**HTOOL00003**
Cable Stripper for Jacket and Foil of Installationcables		**HTOOL00005**

Patchcords RJ45 Shielded Cat.6$_A$ LS0H


H6GTG02K0G


H6GTG02K0G


H6GTB02K0B

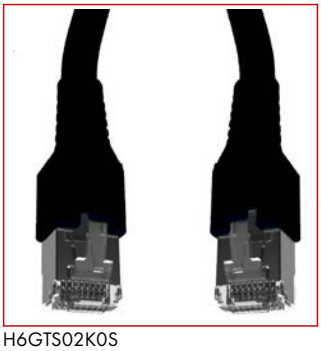

H6GTR02K0R

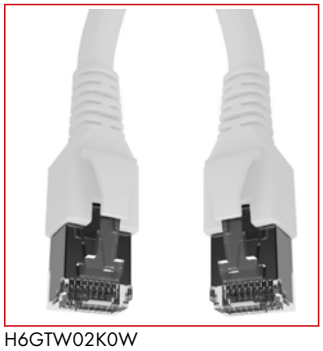

H6GTY02K0Y


H6GTU02K0U


H6GTN02K0N


H6GTV02K0V


H6GTS02K0S


H6GTW02K0W

Schrack-Info

Patchcords for generic, structured network cabling systems.
Support all applications requiring Class D to Class E$_A$ (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE+.
Patchcord with moulded boot in matching cable color.
Pin assignment 1:1.

S-JACK | S/FTP | Cat. 6$_A$ | 10GB | LS0H | 9

DESCRIPTION	AVAILABLE	ORDER NO.
Grey		
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, grey, 0.33m		**H6GTG00K3G**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, grey, 0.5m		**H6GTG00K5G**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, grey, 1.0m		**H6GTG01K0G**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, grey, 2.0m		**H6GTG02K0G**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, grey, 3.0m		**H6GTG03K0G**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, grey, 5.0m		**H6GTG05K0G**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, grey, 7.0m		**H6GTG07K0G**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, grey, 10.0m		**H6GTG10K0G**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, grey, 15.0m		**H6GTG15K0G**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, grey, 20.0m		**H6GTG20K0G**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, grey, 30.0m		**H6GTG30K0G**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, grey, 50.0m		**H6GTG50K0G**

Patchcords RJ45 Shielded Cat.6$_A$ LS0H

DESCRIPTION	AVAILABLE	ORDER NO.
Blue		
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, blue, 0.5m		H6GTB00K5B
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, blue, 1.0m		H6GTB01K0B
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, blue, 2.0m		H6GTB02K0B
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, blue, 3.0m		H6GTB03K0B
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, blue, 5.0m		H6GTB05K0B
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, blue, 7.0m		H6GTB07K0B
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, blue, 10.0m		H6GTB10K0B
Red		
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, red, 0.5m		H6GTR00K5R
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, red, 1.0m		H6GTR01K0R
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, red, 2.0m		H6GTR02K0R
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, red, 3.0m		H6GTR03K0R
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, red, 5.0m		H6GTR05K0R
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, red, 7.0m		H6GTR07K0R
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, red, 10.0m		H6GTR10K0R
Yellow		
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, yellow, 0.5m		H6GTY00K5Y
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, yellow, 1.0m		H6GTY01K0Y
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, yellow, 2.0m		H6GTY02K0Y
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, yellow, 3.0m		H6GTY03K0Y
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, yellow, 5.0m		H6GTY05K0Y
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, yellow, 7.0m		H6GTY07K0Y
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, yellow, 10.0m		H6GTY10K0Y
Green		
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, green, 0.5m		H6GTU00K5U
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, green, 1.0m		H6GTU01K0U
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, green, 2.0m		H6GTU02K0U
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, green, 3.0m		H6GTU03K0U
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, green, 5.0m		H6GTU05K0U
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, green, 7.0m		H6GTU07K0U
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, green, 10.0m		H6GTU10K0U
Orange		
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, orange, 0.5m		H6GTN00K5N
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, orange, 1.0m		H6GTN01K0N
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, orange, 2.0m		H6GTN02K0N
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, orange, 3.0m		H6GTN03K0N
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, orange, 5.0m		H6GTN05K0N
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, orange, 7.0m		H6GTN07K0N
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, orange, 10.0m		H6GTN10K0N
Ericaviolet		
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, erikaviolet, 0.5m		H6GTV00K5V
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, erikaviolet, 1.0m		H6GTV01K0V
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, erikaviolet, 2.0m		H6GTV02K0V
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, erikaviolet, 3.0m		H6GTV03K0V
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, erikaviolet, 5.0m		H6GTV05K0V
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, erikaviolet, 7.0m		H6GTV07K0V

Patchcords RJ45 Shielded Cat.6$_A$ LS0H

DESCRIPTION	AVAILABLE	ORDER NO.
Ericaviolet		
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, erikaviolet, 10.0m		**H6GTV10K0V**
Black		
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, black, 0.5m		**H6GTS00K5S**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, black, 1.0m		**H6GTS01K0S**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, black, 2.0m		**H6GTS02K0S**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, black, 3.0m		**H6GTS03K0S**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, black, 5.0m		**H6GTS05K0S**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, black, 7.0m		**H6GTS07K0S**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, black, 10.0m		**H6GTS10K0S**
White		
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, white, 0.5m		**H6GTW00K5W**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, white, 1.0m		**H6GTW01K0W**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, white, 2.0m		**H6GTW02K0W**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, white, 3.0m		**H6GTW03K0W**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, white, 5.0m		**H6GTW05K0W**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, white, 7.0m		**H6GTW07K0W**
Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, white, 10.0m		**H6GTW10K0W**

LED Patchcords RJ45 shielded Cat.6$_A$ LS0H


H6GSG02K0G


H6GSG02K0G


H6GSB02K0B


H6GSR02K0R


H6GSY02K0Y


H6GSU02K0U


H6GSA02K0A

Schrack-Info

Patchcords for generic, structured network cabling systems.
Support all applications requiring Class D to Class E$_A$ (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.
On the RJ45 connector of the LED patchcord, there are two contacts for the Patchfinder tool.
By connecting the Patchfinder to the contacts, the boots at both ends of the LED patchcord start to light.
Thus the patching is easily identified.
During Light-functionality, Data-transmission remains stable and is not affected.
Pin assignment 1:1.

S-JACK | LED | S/FTP | Cat. 6$_A$ | 10GB | LS0H | 6

DESCRIPTION	AVAILABLE	ORDER NO.
Grey		
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, grey, 0.33m		**H6GSG00K3G**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, grey, 0.5m		**H6GSG00K5G**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, grey, 1.0m		**H6GSG01K0G**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, grey, 2.0m		**H6GSG02K0G**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, grey, 3.0m		**H6GSG03K0G**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, grey, 5.0m		**H6GSG05K0G**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, grey, 7.0m		**H6GSG07K0G**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, grey, 10.0m		**H6GSG10K0G**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, grey, 15.0m		**H6GSG15K0G**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, grey, 20.0m		**H6GSG20K0G**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, grey, 30.0m		**H6GSG30K0G**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, grey, 50.0m		**H6GSG50K0G**

LED Patchcords RJ45 shielded Cat.6$_A$ LS0H

DESCRIPTION	AVAILABLE	ORDER NO.
Blue		
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, blue, 0.5m		**H6GSB00K5B**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, blue, 1.0m		**H6GSB01K0B**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, blue, 2.0m		**H6GSB02K0B**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, blue, 3.0m		**H6GSB03K0B**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, blue, 5.0m		**H6GSB05K0B**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, blue, 7.0m		H6GSB07K0B
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, blue, 10.0m		**H6GSB10K0B**
Red		
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, red, 0.5m		**H6GSR00K5R**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, red, 1.0m		**H6GSR01K0R**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, red, 2.0m		**H6GSR02K0R**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, red, 3.0m		**H6GSR03K0R**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, red, 5.0m		**H6GSR05K0R**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, red, 7.0m		**H6GSR07K0R**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, red, 10.0m		H6GSR10K0R
Yellow		
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, yellow, 0.5m		**H6GSY00K5Y**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, yellow, 1.0m		**H6GSY01K0Y**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, yellow, 2.0m		**H6GSY02K0Y**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, yellow, 3.0m		**H6GSY03K0Y**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, yellow, 5.0m		**H6GSY05K0Y**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, yellow, 7.0m		**H6GSY07K0Y**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, yellow, 10.0m		**H6GSY10K0Y**
Green		
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, green, 0.5m		**H6GSU00K5U**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, green, 1.0m		**H6GSU01K0U**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, green, 2.0m		**H6GSU02K0U**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, green, 3.0m		**H6GSU03K0U**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, green, 5.0m		**H6GSU05K0U**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, green, 7.0m		**H6GSU07K0U**
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, green, 10.0m		**H6GSU10K0U**
Aqua		
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, aqua, 0.5m		H6GSA00K5A
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, aqua, 1.0m		H6GSA01K0A
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, aqua, 2.0m		H6GSA02K0A
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, aqua, 3.0m		H6GSA03K0A
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, aqua, 5.0m		H6GSA05K0A
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, aqua, 7.0m		H6GSA07K0A
LED Patchcord RJ45 shielded Cat.6$_A$ 10GB, LS0H, aqua, 10.0m		H6GSA10K0A

Patchfinder Light Injector for LED Patchcords



HLEDTOOL1



HLEDTOOL

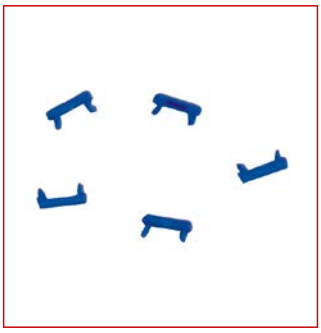
Schrack-Info

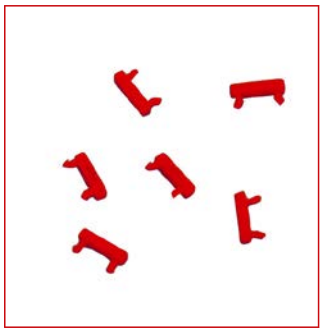
The Patchfinder is a power-supply, which activates the light of the LEDs of the LED patchcords.
Three operational modi are available: Permanent light, slow and quick flashing.
There is a mechanical reverse voltage protection included.
HLEDTOOL: Batteries are included in delivery (4 x LR41).
HLEDTOOL1: Thanks to the built-in lithium-ion battery, a long working life and durability is guaranteed. The required USB charging cable is included.

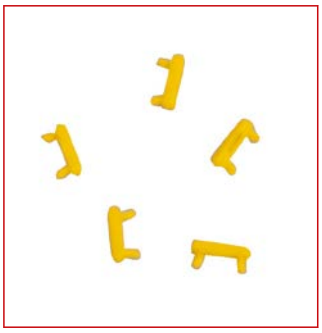
S-JACK LED

DESCRIPTION	AVAILABLE	ORDER NO.
Patchfinder Light Injector for LED patchcords		**HLEDTOOL**
LED Detector Pro for LED patchcords, with rechargeable battery and USB charging cable		**HLEDTOOL1**

Colored Marking Clips for LED Patchcords


HLEDCLIPB


HLEDCLIPR


HLEDCLIPY


HLEDCLIPU

Schrack-Info

An additional identification feature is realised by use of the different color-coding clips.
Different services can be marked by the colors blue, red, yellow and green.

S-JACK LED 4

DESCRIPTION	AVAILABLE	ORDER NO.
Marking clip for color coding for LED patchcord, blue, 100 pcs.		HLEDCLIPB
Marking clip for color coding for LED patchcord, red, 100 pcs.		HLEDCLIPR
Marking clip for color coding for LED patchcord, yellow, 100 pcs.		HLEDCLIPY
Marking clip for color coding for LED patchcord, green, 100 pcs.		HLEDCLIPU

Push Pull Patchcords RJ45 Shielded Cat.6$_A$, LSOH


H6GPG01K0G


H6GPG01K0G


H6GPG01K0G


H6GPG01K0G


H6GPG01K0G


H6GPG01K0G

Schrack-Info

PushPull patchcords RJ45 / RJ45, Shielded 1: 1 assignment with molded boot including PushPull unlocking.
With this RJ45 plug there is no longer need to press the small latch lever on the RJ45 jack for unlocking, but merely pulled the boot.
The PushPull locking works with any standard RJ45 jack and outlet.
The push-pull patchcords easiers patching in tightly packed data center enclosures, in hard to reach Consolidation Points or outlets in a floor box.
The connectors are optimized for use in high density Ethernet switches.
By Dualboot® encapsulation optimal strain relief is achieved and simultaneously excluded from catching the latch lever.
The cable used has foil Shield and 360° Shielded RJ45 plugs and thus offers highest level of data security

S-JACK | Push Pull | S/FTP | Cat. 6$_A$ | 10GB | LSOH | 1

DESCRIPTION	AVAILABLE	ORDER NO.
Grey		
Push Pull Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 0.5m		**H6GPG00K5G**
Push Pull Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 1.0m		**H6GPG01K0G**
Push Pull Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 1.5m		**H6GPG01K5G**
Push Pull Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 2.0m		**H6GPG02K0G**
Push Pull Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 3.0m		**H6GPG03K0G**
Push Pull Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 5.0m		**H6GPG05K0G**
Push Pull Patchcord RJ45 shielded Cat.6$_A$ 10GB, LSOH, grey, 10.0m		**H6GPG10K0G**

SLIM Patchcords U/FTP Cat.6$_A$, AWG32, LS0H



H6GYG00K1B



H6GYG00K1B

Schrack-Info

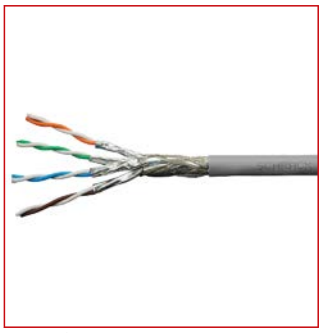
Patchcords for generic, structured network cabling systems.
Support all applications requiring Class D to Class E$_A$ (e.g. 100Base-TX, ATM) as well as 10GBase-T, 1000Base-T and VoIP, 4PPoE.
Grey Patchcord with moulded boot in the color blue.

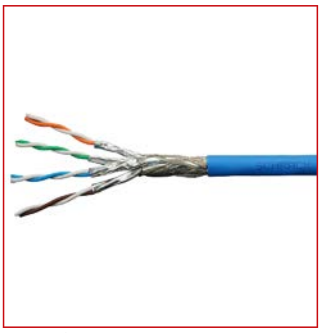
- Short booth particularly suitable for IP cameras, IP telephones, etc.
- Thin cable diameter: just 3,9 ± 0,2mm
- Pin assignment: 1:1
- Wire: AWG32/7
- 4PPoE 100W capable up to 9m
- Environmental friendly packaging with paper loop saves 80% plastics

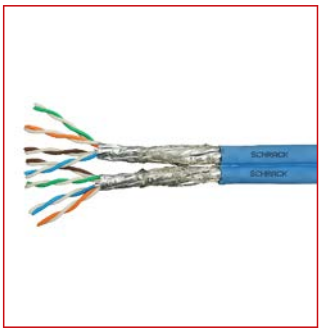
S-JACK | SLIM | U/FTP | Cat. 6$_A$ | LS0H | 1

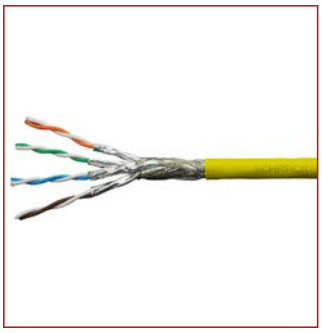
DESCRIPTION	AVAILABLE	ORDER NO.
Grey		
SLIM Patchcords Round U/FTP Cat.6$_A$, 4PPoE 100W, AWG32, LS0H, grey, 0,15m		**H6GYG00K1B**
SLIM Patchcords Round U/FTP Cat.6$_A$, 4PPoE 100W, AWG32, LS0H, grey, 0,35m		**H6GYG00K3B**
SLIM Patchcords Round U/FTP Cat.6$_A$, 4PPoE 100W, AWG32, LS0H, grey, 0,5m		**H6GYG00K5B**
SLIM Patchcords Round U/FTP Cat.6$_A$, 4PPoE 100W, AWG32, LS0H, grey, 1,0m		**H6GYG01K0B**
SLIM Patchcords Round U/FTP Cat.6$_A$, 4PPoE 100W, AWG32, LS0H, grey, 2,0m		**H6GYG02K0B**
SLIM Patchcords Round U/FTP Cat.6$_A$, 4PPoE 100W, AWG32, LS0H, grey, 3,0m		**H6GYG03K0B**
SLIM Patchcords Round U/FTP Cat.6$_A$, 4PPoE 100W, AWG32, LS0H, grey, 5,0m		**H6GYG05K0B**

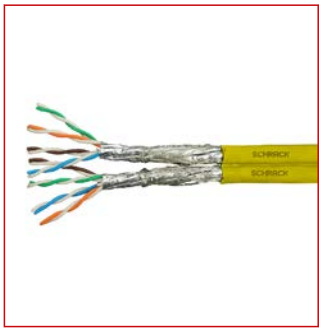
Installation Cables S/FTP Cat.7$_A$ 1250MHz 50% Braid-coverage LS0H-3 B2ca/Cca


HSEKP422HG


HSEKP422HB


HSEKP822HB


HSEKP422HY


HSEKP822HY

Schrack-Info

Installation cables for generic, structured network cabling systems.
Support all applications requiring Class D to Class F$_A$ (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.
Supports 25Gbase-T (ISO/IEC TR 11801-9905).
Due to the cable construction and the high braid coverage of 50%, the cable reaches the coupling attenuation (Type I) of ≥ 85 dB.

S-JACK | S/FTP | Cat. 7$_A$ | 10GB | 25GB | LS0H-3 | B2$_{ca}$ | C$_{ca}$

Technical Data

Standards:	IEC 11801, EN 50173-1 Cat.7$_A$ acc. to IEC 61156-5, EN 50288-9-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG22/1 (0.64mm)
Insulation material:	Foamed Polyethylene
Nominal diameter over insulation:	1.54mm
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Solid, tinned copper, Coverage = 50%
Jacket:	LS0H-3, FRNC acc. to IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-3-24, EN 60332-3-24
Reaction to fire:	Simplex: B2ca, s1a, d1, a1 Duplex: Cca, s1, d1, a1
Outside diameter:	Simplex: 8.1mm, Duplex: 8.1mm x 17.5mm
Jacket color:	Blue RAL5015, Yellow RAL1021, Grey RAL7032
Temperature range during operation, storage:	-30°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 4 x D, Duplex: 4 x D (flat side)
Min. bend radius during installation:	Simplex: 8 x D, Duplex: 8 x D (flat side)
Max. pulling strength:	Simplex: 110N, Duplex: 220N
Burning load:	Simplex: 700kJ/m, Duplex: 1400kJ/m
Total cable weight:	Simplex: 65kg/km, Duplex: 130kg/km
NVP (Nominal velocity of propagation):	0.73c

Installation Cables S/FTP Cat.7$_A$ 1250MHz 50% Braid-coverage LS0H-3 B2ca/Cca

Electrical Characteristics at 20°C according to IEC 61156-5

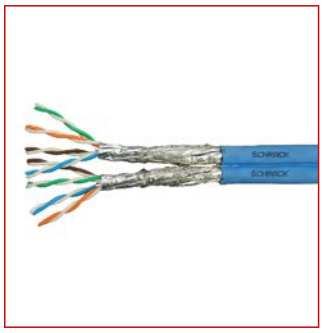
	Freq. (MHz)	Specification	Unit
NVP (Nominal velocity of propagation)	4 – 1000	0.73	c
Skew	4 – 1000	≤ 25	ns/100m
Propagation delay	4 – 1000	≤ 534 + 36/Vf	ns/100m
Attenuation	5 – 1000	≤ 1.8*Vf+0.005*f+0.25/Vf	dB
TCL, level 1 (Transverse conversion loss)	1 – 250	> 40 –10*log (f)	dB
ELTCL (Equal level transverse conversion loss)	1 – 30	> 35 – 20*log (f)	dB
NEXT (Near end cross talk)	4 – 1000	≥ 106-15*log (f) (78 max.)	dB
PS NEXT (Power sum near end cross talk)	4 – 1000	≥ 103-15*log (f) (75 max.)	dB
ACR-N (Attenuation cross talk ratio)	4 – 1000	NEXT – Dämpfung	dB
PS ACR-N (Power sum attenuation cross talk ratio)	4 – 1000	PSNEXT – Dämpfung	dB
ACR-F (Equal level far end cross talk)	4 – 1000	≥ 95.3-20*log (f) (78 max.)	dB
PS ACR-F (Power sum equal level far end cross talk)	4 – 1000	≥ 92.3-20*log (f) (75 max.)	dB
PS ANEXT (Power sum alien near end cross talk)	4 – 1000	≥ 107.5-15*log (f) (67 min.)	dB
PS AACR-F (Power sum alien far end cross talk)	4 – 1000	≥ 92.3-20*log (f) (67 min.)	dB
Input impedance open / short (Zo/s)	4 – 1000	100	Ω
RL (Return loss)	4 ≤ f ≤ 10	≥ 20 + 5*log (f)	dB
	10 ≤ f ≤ 20	≥ 25	dB
	20 ≤ f ≤ 600	≥ 25-7*log (f/20) (17.3 min.)	dB
	600 ≤ f ≤ 1000	≥ 17.3-10*log (f/600)	dB
Coupling attenuation (type I)	30 – 100	≥ 85	dB
	100 – 1000	≥ 85-20*log (f/100)	dB
Transfer impedance (ZT, grade 1)	1	< 10	mΩ/m
	10	< 10	mΩ/m
	30	< 30	mΩ/m
	100	< 100	mΩ/m

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, blue, Sale per meter	35,00kg/km		**HSEKP422HB**
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, blue, Drum 1000m	35,00kg/km		**HSKP422HB1**
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, blue, Drum 500m	35,00kg/km		**HSKP422HB5**
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, blue, Drum 100m	35,00kg/km		HSKP422HB9
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, grey, Sale per meter	35,00kg/km		**HSEKP422HG**
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, grey, Drum 1000m	35,00kg/km		**HSKP422HG1**
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, grey, Drum 500m	35,00kg/km		**HSKP422HG5**
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, grey, Drum 100m	35,00kg/km		HSKP422HG9
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, yellow, Sale per meter	35,00kg/km		**HSEKP422HY**
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, yellow, Drum 1000m	35,00kg/km		**HSKP422HY1**
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, yellow, Drum 500m	35,00kg/km		**HSKP422HY5**
S/FTP Cable Cat.7$_A$, 2x(4x2xAWG22/1), 1.250MHz, LS0H-3 Cca-s1-d1-a1, 50%, blue, Sale per meter	70,00kg/km		**HSEKP822HB**
S/FTP Cable Cat.7$_A$, 2x(4x2xAWG22/1), 1.250MHz, LS0H-3 Cca-s1-d1-a1, 50%, blue, Drum 500m	70,00kg/km		**HSKP822HB5**
S/FTP Cable Cat.7$_A$, 2x(4x2xAWG22/1), 1.250MHz, LS0H-3 Cca-s1-d1-a1, 50%, blue, Drum 100m	70,00kg/km		HSKP822HB9
S/FTP Cable Cat.7$_A$, 2x(4x2xAWG22/1), 1.250MHz, LS0H-3 Cca-s1-d1-a1, 50%, yellow, Sale per meter	70,00kg/km		**HSEKP822HY**
S/FTP Cable Cat.7$_A$, 2x(4x2xAWG22/1), 1.250MHz, LS0H-3 Cca-s1-d1-a1, 50%, yellow, Drum 500m	70,00kg/km		**HSKP822HY5**

Installation Cables S/FTP Cat.7$_A$ 1500MHz LS0H-3 Dca



HSEKP422HP



HSEKP822HP

Schrack-Info

Installation cables for generic, structured network cabling systems. Support all applications requiring Class D to Class F$_A$ (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

S-JACK | S/FTP | Cat. 7$_A$ | 10GB | LS0H-3 | D$_{ca}$

Standards:	IEC 11801, EN 50173-1 Cat.7$_A$ acc. to IEC 61156-5, EN 50288-9-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG22/1
Insulation material:	Foamed Polyethylene
Nominal diameter over insulation:	1.55mm
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Solid, tinned copper, Coverage = 35%
Jacket:	LS0H-3, FRNC acc. to IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-3-24, EN 60332-3-24
Reaction to fire:	Simplex: Dca, s2, d2, a1 Duplex: Dca, s2, d2, a1
Outside diameter:	Simplex: 7.6mm , Duplex: 7.6mm x 15.6mm
Jacket colour:	Blue RAL5015
Temperature range during operation, storage:	-20°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 4 x D, Duplex: 4 x D (flat side)
Min. bend radius during installation:	Simplex: 8 x D, Duplex: 8 x D (flat side)
Max. pulling strength:	Simplex: 150N, Duplex: 350N
Burning load:	Simplex: 680kJ/m, Duplex: 1370kJ/m
Total cable weight:	Simplex: 62kg/km, Duplex: 124kg/km
NVP (Nominal velocity of propagation):	0.79c

Electrical Characteristics at 20°C according to IEC 61156-5

Frequency (MHZ)	Attenuation (dB/100m)	NEXT (dB)	ACR (dB)	Return loss (dB/100m)	PS-Next (dB/100m)	PS-ACR (dB/100m)	ELFEXT (dB/100m)	PS-ELFEXT (dB)
1	1.7	100	98	22	97	95	100	97
4	3.3	100	97	25	97	94	97	94
10	5.2	100	95	27	97	92	95	92
16	6.6	100	94	27	92	91	90	87
20	7.4	100	93	27	90	90	90	87
31.25	9.25	100	91	26	90	88	90	87
62.50	13.1	100	87	24	90	84	85	82
100	16.6	100	83	22	87	80	80	77
155	20.1	95	75	20	87	72	78	75
200	23.6	95	71	20	87	69	75	72
250	26.5	90	63	19	87	60	69	66
300	29.1	89	60	19	85	57	65	62
600	41.6	85	43	19	82	40	45	42
1000	54	83	29	19	80	26	40	37
1200	59	83	24	17	80	21	35	32
1400	63.7	81	17	15	78	14	30	27
1500	66	80	14	15	77	11	28	25

* Limits below 4 MHz and at 1500 MHz are informative.

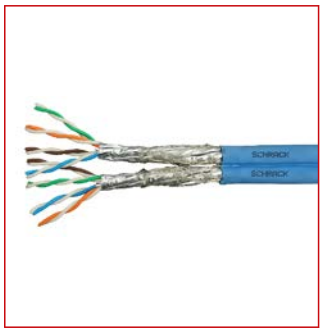
Installation Cables S/FTP Cat.7$_A$ 1500MHz LS0H-3 Dca

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.500MHz, LS0H-3 Dca-s2-d2-a1, blue, Sale per meter	34,00kg/km		**HSEKP422HP**
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.500MHz, LS0H-3 Dca-s2-d2-a1, blue, Drum 1000m	34,00kg/km		**HSKP422HP1**
S/FTP Cable Cat.7$_A$, 4x2xAWG22/1, 1.500MHz, LS0H-3 Dca-s2-d2-a1, blue, Drum 500m	34,00kg/km		**HSKP422HP5**
S/FTP Cable Cat.7$_A$, 2x(4x2xAWG22/1), 1.500MHz, LS0H-3 Dca-s2-d2-a1, blue, Sale per meter	68,00kg/km		**HSEKP822HP**
S/FTP Cable Cat.7$_A$, 2x(4x2xAWG22/1), 1.500MHz, LS0H-3 Dca-s2-d2-a1, blue, Drum 500m	68,00kg/km		**HSKP822HP5**

Installation Cables S/FTP Cat.7$_A$ 1200MHz LS0H-3 Dca



HSEKP422HK



HSEKP822HK

S-JACK | S/FTP | Cat. 7$_A$ | 10GB | LS0H-3 | D$_{ca}$

Schrack-Info

Installation cables for generic, structured network cabling systems. Support all applications requiring Class D to Class F$_A$ (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

Technical Data

Standards:	IEC 11801, EN 50173-1 Cat.7$_A$ acc. to IEC 61156-5, EN 50288-9-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG23/1 (0.58mm)
Insulation material:	Cell Polyethylene (PE)
Nominal diameter over insulation:	1.4mm
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Solid, tinned copper, Coverage = 30%
Jacket:	LS0H-3, FRNC acc. to IEC 61034-2, EN 50268-2 IEC 60754-2, EN 50267-2 IEC 60332-3-24, EN 60332-3-24
Reaction to fire:	Simplex: Dca, s1, d2, a1 Duplex: Dca, s1, d2, a1
Outside diameter:	Simplex: 7.5mm, Duplex: 7.5mm x 15.0mm
Jacket color:	Blue RAL5015
Temperature range during operation, storage:	-20°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 4 x D, Duplex: 4 x D (flat side)
Min. bend radius during installation:	Simplex: 8 x D, Duplex: 8 x D flat side)
Max. pulling strength:	Simplex: 110N, Duplex: 220N
Burning load:	Simplex: 600kJ/m, Duplex: 1200kJ/m
Total cable weight:	Simplex: 60kg/km, Duplex: 120kg/km
NVP (Nominal velocity of propagation):	0.80c

Electrical Characteristics at 20°C according to IEC 61156-5

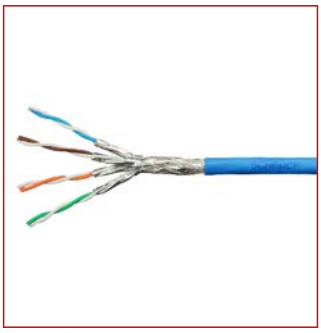
Frequency	**Attenuation**		**NEXT**		**PSNEXT**		**ACR-N**		**PSACR-N**		**ACR-F**		**PSACR-F**		**RL**	
MHz	**dB/100m**		**dB**		**dB**		**dB@100m**		**dB@100m**		**dB@100m**		**dB@100m**		**dB**	
	typ.	Kat. 7$_A$ min.*	typ.	Kat. 7$_A$ min.*	typ.	Kat. 7$_A$ min.*	typ.	Kat. 7$_A$ min.*	typ.	Kat. 7$_A$ min.*	typ.	Kat. 7$_A$ min.*	typ.	Kat. 7$_A$ min.*	typ.	Kat. 7$_A$ min.*
1	1.9	2.1	102	78	99	75	101	75.9	98	72.9	98	78	95	75	25.4	-
10	4.8	5.8	102	78	99	75	98	72.2	95	69.2	103	78	100	75	31.1	25.0
100	16.4	18.5	102	75	99	72	86	56.9	83	53.9	89	65	86	62	33.2	20.1
200	24.5	26.5	102	71	99	68	78	44.4	75	41.4	82	59	79	56	33.2	18.0
250	27.8	29.7	102	69	99	66	75	39.7	72	36.7	79	57	76	54	33.4	17.3
500	38.2	42.8	97	65	94	62	59	22.1	56	19.1	67	51	64	48	30.5	17.3
600	42.9	47.1	92	64	89	61	49	16.6	46	13.6	60	50	57	47	27.6	17.3
700	47.7	51.1	92	63	89	60	44	11.6	41	8.6	57	48	54	45	26.2	16,6
800	50.8	54.9	90	62	87	59	39	7.0	36	4.0	53	47	50	44	23.9	16.1
900	55.1	58.5	85	61	82	58	30	2.6	27	-0.4	49	46	46	43	21.7	15.5
1000	58.0	61.9	80	60	77	57	22	-1.5	19	-4.5	46	45	43	42	18.0	15.1
1200	64.0	-	78	-	75	-	14	-	16	-	44	-	41	-	17.4	-

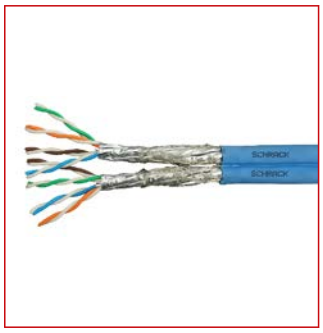
* Limits below 4 MHz and at 1200 MHz are informative.

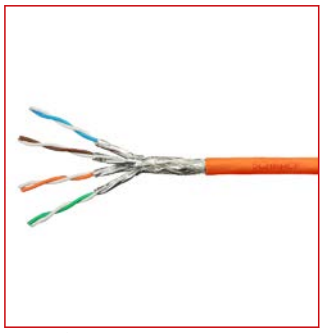
Installation Cables S/FTP Cat.7$_A$ 1200MHz LS0H-3 Dca

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
S/FTP Cable Cat.7$_A$, 4x2xAWG23/1, 1200MHz, LS0H-3 Dca-s1-d2-a1, blue, Sale per meter	30,00kg/km		**HSEKP422HK**
S/FTP Cable Cat.7$_A$, 4x2xAWG23/1, 1200MHz, LS0H-3 Dca-s1-d2-a1, blue, Drum 1000m	30,00kg/km		**HSKP422HK1**
S/FTP Cable Cat.7$_A$, 4x2xAWG23/1, 1200MHz, LS0H-3 Dca-s1-d2-a1, blue, Drum 500m	30,00kg/km		**HSKP422HK5**
S/FTP Cable Cat.7$_A$, 4x2xAWG23/1, 1200MHz, LS0H-3 Dca-s1-d2-a1, blue, Ring 100m	30,00kg/km		HSKP422HK9
S/FTP Cable Cat.7$_A$, 2x(4x2xAWG23/1), 1200MHz, LS0H-3 Dca-s1-d2-a1, blue, Sale per meter	60,00kg/km		**HSEKP822HK**
S/FTP Cable Cat.7$_A$, 2x(4x2xAWG23/1), 1200MHz, LS0H-3 Dca-s1-d2-a1, blue, Drum 500m	60,00kg/km		**HSKP822HK5**
S/FTP Cable Cat.7$_A$, 2x(4x2xAWG23/1), 1200MHz, LS0H-3 Dca-s1-d2-a1, blue, Ring 100m	60,00kg/km		HSKP822HK9

Installation Cables S/FTP Cat.7 1000MHz 30% Braid-coverage LS0H B2ca


HSEKP423BB


HSEKP823BB


HSEKP423BN

Schrack-Info

Installation cables for generic, structured network cabling systems.
Support all applications requiring Class D to Class F (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

S-JACK | S/FTP | Cat. 7 | 10GB | LS0H | B2$_{ca}$

Technical Data

Standards:	IEC 11801, EN 50173-1 Cat.7 acc. to IEC 61156-5, EN 50288-9-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG23/1 (0.58mm)
Insulation material:	Foamed Polyethylene
Nominal diameter over insulation:	1.45mm
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Solid, tinned copper, Coverage = 30%
Jacket:	LS0H, FRNC acc. to IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-1, EN 60332-1
Reaction to fire:	Simplex: B2ca, s1a, d1, a1 Duplex: B2ca, s1a, d1, a1
Outside diameter:	Simplex: 7.2mm , Duplex: 7.2mm x 16.0mm
Jacket color:	Blue RAL5015, Orange RAL2003
Temperature range during operation, storage:	-30°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 4 x D, Duplex: 4 x D (flat side)
Min. bend radius during installation:	Simplex: 8 x D, Duplex: 8 x D (flat side)
Max. pulling strength:	Simplex: 110N, Duplex: 220N
Burning load:	Simplex: 500kJ/m, Duplex: 1000kJ/m
Total cable weight:	Simplex: 52kg/km, Duplex: 109kg/km
NVP (Nominal velocity of propagation):	0.78c

Electrical Characteristics at 20°C according to IEC 61156-5

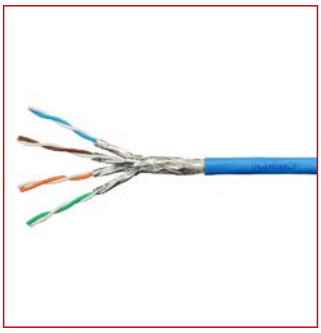
Frequency	1	4	10	16	31,2	62,5	100	125	200	250	300	600	1000	MHz
Attenuation	2	3.7	5.9	7.4	10.4	14.9	19	21.4	27.5	31.0	34.2	50.1	66.9	dB/100m
NEXT	78	78	78	78	78	75.5	72.4	70.9	67.9	66.4	65.2	60.7	57.4	dB/100m
PS NEXT	75	75	75	75	75	72.5	69.4	67.9	64.9	63.4	62.2	57.7	54.4	dB/100m
ACR-N	76.0	74.3	72.1	70.6	67.6	60.6	53.4	49.6	40.4	35.5	40.4	10.6	-9.5	dB/100m
PS ACR-N	73	71.3	69.1	67.6	64.6	57.6	50.4	46.6	37.4	32.5	28.1	7.6	-12.5	dB/100m
ACR-F	78	78	75.3	71.2	65.4	59.4	55.3	53.4	49.3	47.3	45.8	39.7	35.3	dB/100m
PS ACR-F	75	75	72.3	68.2	62.4	56.4	52.3	50.4	46.3	44.3	42.8	36.7	32.3	dB/100m
RL	20	23	25	25	23.6	21.5	20.1	19.4	18	17.3	17.3	17.3	17.3	dB/100m

* Limits below 4 MHz and at 1000 MHz are informative.

Installation Cables S/FTP Cat.7 1000MHz 30% Braid-coverage LS0H B2ca

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.00MHz, LS0H B2ca-s1a-d1-a1, 30%, blue, , Sale per meter	25,50kg/km		**HSEKP423BB**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H B2ca-s1a-d1-a1, 30%, blue, Drum 1000m	25,50kg/km		**HSKP423BB1**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H B2ca-s1a-d1-a1, 30%, blue, Drum 500m	25,50kg/km		**HSKP423BB5**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.00MHz, LS0H B2ca-s1a-d1-a1, 30%, orange, Sale per meter	25,50kg/km		**HSEKP423BN**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H B2ca-s1a-d1-a1, 30%, orange, Drum 1000m	25,50kg/km		HSKP423BN1
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H B2ca-s1a-d1-a1, 30%, orange, Drum 500m	25,50kg/km		**HSKP423BN5**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H B2ca-s1a-d1-a1, 30%, blue, Sale per meter	51,00kg/km		**HSEKP823BB**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H B2ca-s1a-d1-a1, 30%, blue, Drum 500m	51,00kg/km		**HSKP823BB5**

Installation Cables S/FTP Cat.7 1000MHz 40% Braid-coverage LS0H Dca


HSEKP423HB


HSEKP823HB


HVSKP423H0

Schrack-Info

Installation cables for generic, structured network cabling systems.
Support all applications requiring Class D to Class F (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

S-JACK | S/FTP | Cat. 7 | 10GB | LS0H | D_{ca}

Technical Data

Standards:	IEC 11801, EN 50173-1 Cat.7 acc. IEC 61156-5, EN 50288-4-1
Conductor:	Simplex: 4 individual shielded, twisted pair / Duplex: 2x4
Conductor material:	Solid bare copper AWG23/1 (0.58mm)
Insulation material:	Foamed Polyethylene
Nominal diameter over insulation:	1.45mm
Pair-Shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall Braid:	Solid, tinned copper, Coverage = 40%
Jacket:	LS0H, FRNC acc. to IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-1, EN 60332-1
Reaction to fire:	Simplex: Dca, s2, d1, a1 Duplex: Dca, s2, d2, a1
Outside diameter:	Simplex: 7.2mm, Duplex: 7.2mm x 16.0mm
Jacket color:	Blue RAL5015, White
Temperature range during operation, storage:	-30°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 29mm, Duplex: 29mm (flat side)
Min. bend radius during installation:	Simplex: 58mm, Duplex: 58mm (flat side)
Max. pulling strength:	Simplex: 110N, Duplex: 220N
Burning load:	Simplex: 500kJ/m, Duplex: 1000kJ/m
Total cable weight:	Simplex: 53kg/km, Duplex: 111kg/km
NVP (Nominal velocity of propagation)	0.78c

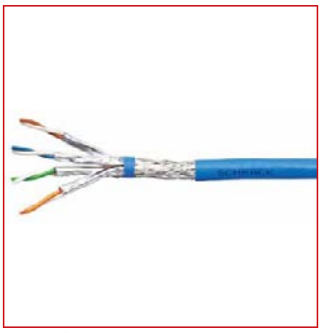
Installation Cables S/FTP Cat.7 1000MHz 40% Braid-coverage LS0H Dca

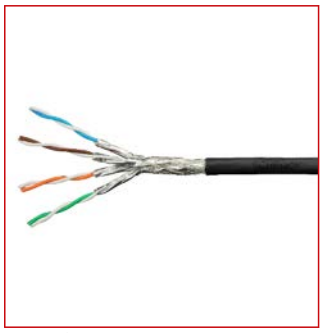
Electrical Characteristics at 20°C according to IEC 61156-5

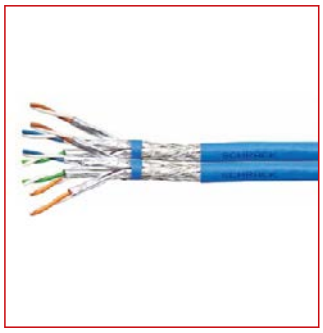
	Freq. (MHz)	Specification	Unit
NVP (Nominal velocity of propagation)	4 – 600	0.78	c
Skew	4 – 600	≤ 25	ns/100m
Propagation delay	4 – 600	≤ 534 + 36/Vf	ns/100m
Attenuation	4 – 600	≤ 1.8*Vf+0.01*f+0.20/Vf	dB
TCL, level 1 (Transverse conversion loss)	1 – 250	> 40 –10*log (f)	dB
ELTCL (Equal level transverse conversion loss)	1 – 30	> 35 – 20*log (f)	dB
NEXT (Near end cross talk)	4 – 600	≥ 102.4-15*log (f) (78 max.)	dB
PS NEXT (Power sum near end cross talk)	4 – 600	≥ 99.4-15*log (f) (75 max.)	dB
ACR-N (Attenuation cross talk ratio)	4 – 600	NEXT – Dämpfung	dB
PS ACR-N (Power sum attenuation cross talk ratio)	4 – 600	PSNEXT – Dämpfung	dB
ACR-F (Equal level far end cross talk)	4 – 600	≥ 95.3-20*log (f) (78 max.)	dB
PS ACR-F (Power sum equal level far end cross talk)	4 – 600	≥ 92.3-20*log (f) (75 max.)	dB
Input impedance open / short (Zo/s)	4 – 600	100	Ω
RL (Return loss)	4 ≤ f ≤ 10 10 ≤ f ≤ 20 20 ≤ f ≤ 600	≥ 20 + 5*log (f) ≥ 25 ≥ 25-7*log (f/20)	dB dB dB
Coupling attenuation (type I)	30 – 100 100 – 1000	≥ 85 ≥ 85-20*log (f/100)	dB dB
Transfer impedance (ZT, grade 1)	1 10 30 100	< 10 < 10 < 30 < 100	mΩ/m mΩ/m mΩ/m mΩ/m

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 40%, blue, Sale per meter	28,00kg/km		**HSEKP423HB**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 40%, blue, Drum 1000m	28,00kg/km		**HSKP423HB1**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 40%, blue, Drum 500m	28,00kg/km		**HSKP423HB5**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 40%, blue, Box 100m	28,00kg/km		**HSKP423HB9**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000Mhz, LS0H Dca-s2-d1-a1, 40%, white, RAL9010, Sale per meter	28,00kg/km		**HVSKP423H0**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000Mhz, LS0H Dca-s2-d1-a1, 40%, white, RAL9010, Drum 1000m	28,00kg/km		**HVKP423H01**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000Mhz, LS0H Dca-s2-d1-a1, 40%, white, RAL9010, Drum 500m	28,00kg/km		**HVKP423H05**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H Dca-s2-d2-a1, 40%, blue, Sale per meter	56,00kg/km		**HSEKP823HB**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H Dca-s2-d2-a1, 40%, blue, Drum 500m	56,00kg/km		**HSKP823HB5**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H Dca-s2-d2-a1, 40%, blue, Drum 100m	56,00kg/km		HSKP823HB9

Installation Cables S/FTP Cat.7 1000MHz 30% Braid-coverage LS0H-3 Dca


HSEKP4233K


HSEKP4233S


HSEKP8233K

Schrack-Info

Installation cables for generic, structured network cabling systems.
Support all applications requiring Class D to Class F (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

S-JACK | S/FTP | Cat. 7 | 10GB | LS0H-3 | D_{ca}

Technical Data

Standards:	IEC 11801, EN 50173-1 Cat.7 acc. to IEC 61156-5, EN 50288-4-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG23/1 (0.58mm)
Insulation material:	Foamed Polyethylene
Nominal diameter over insulation:	1.5mm
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Solid, tinned copper, Coverage = 30%
Jacket:	LS0H-3, FRNC acc. to IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-3-24, EN 60332-3-24
Reaction to fire:	Simplex: Dca, s1, d2, a1 Duplex: Dca, s1, d2, a1
Outside diameter:	Simplex: 7.4mm, Duplex: 7.5mm x 15.2mm
Jacket color:	Blue RAL5015, Black RAL9005
Temperature range during operation, storage:	-20°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 4 x D, Duplex: 4 x D (flat side)
Min. bend radius during installation:	Simplex: 8 x D, Duplex: 8 x D (flat side)
Max. pulling strength:	Simplex: 110N, Duplex: 220N
Burning load:	Simplex: 600kJ/m, Duplex: 1200kJ/m
Total cable weight:	Simplex: 57kg/km, Duplex: 117kg/km
NVP (Nominal velocity of propagation):	0.79c

Installation Cables S/FTP Cat.7 1000MHz 30% Braid-coverage LS0H-3 Dca

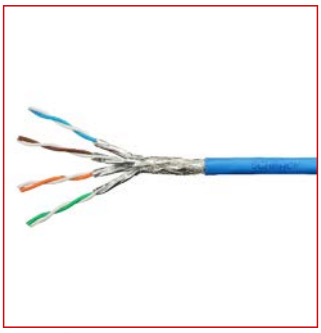
Electrical Characteristics at 20°C according to IEC 61156-5

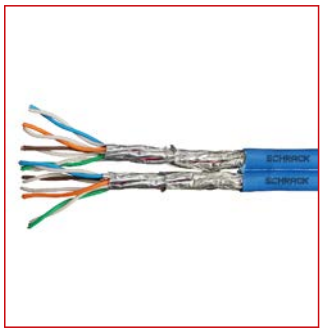
Frequency (MHz)	Attenuation (dB/100m)		NEXT (dB)		PS_NEXT (dB)		ACR (dB@100m)		PS_ACR (dB@100m)		EL_FEXT (dB@100m)		PS_ELFEXT (dB@100m)		RL (dB)	
	typ.	Cat.7 max.*	typ.	Cat.7 min.*	typ.	Cat.7 min.*	typ.	Cat.7 min.*	typ.	Cat.7 min.*	typ.	Cat.7 min.*	typ.	Cat.7 min.*	typ.	Cat.7 min.*
1	1.9	2	102	80	99	77	101	78	98	75	109	80	106	77	29	23
10	4.8	5.7	102	80	99	77	98	74	95	71	108	74	105	71	28	25
100	16.4	18.5	102	72	99	69	86	54	83	51	93	54	90	51	27	20.1
200	24.5	26.8	102	68	99	65	78	41	75	38	85	48	82	45	25	18
250	27.8	30.2	102	66	99	63	75	36	72	33	82	46	79	43	24	17.3
450	36.1	41.6	97	63	94	60	61	21	58	18	72	41	69	38	22	17.3
500	38.2	44.1	97	62	94	59	59	18	56	15	68	40	65	37	21	17.3
600	42.9	48.9	92	61	89	58	49	12	46	9	62	38	59	35	20	17.3
700	47.7	-	92	-	89	-	44	-	41	-	59	-	56	-	19	-
800	50.8	-	90	-	87	-	39	-	36	-	56	-	53	-	18	-
900	55.1	-	85	-	82	-	30	-	27	-	52	-	49	-	17	-
1000	58	-	80	-	77	-	22	-	19	-	42	-	39	-	15	-

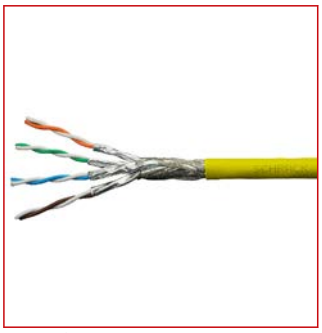
* Limits below 4 MHz and at 1000 MHz are informative.

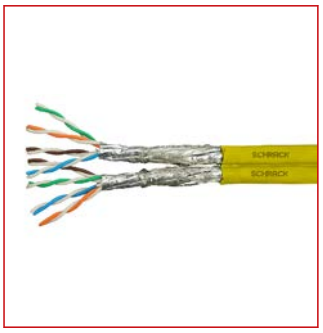
DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, blue, Sale per meter	25,50kg/km		**HSEKP4233K**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, blue, Drum 1000m	25,50kg/km		**HSKP4233K1**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, blue, Drum 500m	25,50kg/km		**HSKP4233K5**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, blue, Ring 100m	25,50kg/km		HSKP4233K9
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, black, Sale per meter	25,50kg/km		**HSEKP4233S**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, black, Drum 1000m	25,50kg/km		**HSKP4233S1**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, black, Drum 500m	25,50kg/km		**HSKP4233S5**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, black, Ring 100m	25,50kg/km		HSKP4233S9
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, blue, Sale per meter	51,00kg/km		**HSEKP8233K**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, blue, Drum 500m	51,00kg/km		**HSKP8233K5**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, blue, Ring 100m	51,00kg/km		HSKP8233K9

Installation Cables S/FTP Cat.7 1000MHz 30% Braid-coverage LS0H Dca


HSEKP423HP


HSEKP823HP


HSEKP423HY


HSEKP823HY

Schrack-Info

Installation cables for generic, structured network cabling systems.
Support all applications requiring Class D to Class F (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

S-JACK | S/FTP | Cat. 7 | 10GB | LS0H | D_{ca}

Technical Data

Standards:	IEC 11801, EN 50173-1 Cat.7 acc. to IEC 61156-5, EN 50288-4-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG23/1 (0.58mm)
Insulation material:	Foamed Polyethylene
Nominal diameter over insulation:	1.45mm
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Solid, tinned copper, Coverage = 30%
Jacket:	LS0H, FRNC acc. to IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-1, EN 60332-1
Reaction to fire:	Simplex: Dca, s2, d1, a1 Duplex: Dca, s1, d1, a1
Outside diameter:	Simplex: 7.2mm, Duplex: 7.2mm x 16.0mm
Jacket color:	Blue RAL5015, Yellow RAL1021
Temperature range during operation, storage:	-30°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 4 x D, Duplex: 4 x D (flat side)
Min. bend radius during installation:	Simplex: 8 x D, Duplex: 8 x D (flat side)
Max. pulling strength:	Simplex: 110N, Duplex: 220N
Burning load:	Simplex: 500kJ/m, Duplex: 1000kJ/m
Total cable weight:	Simplex: 52kg/km, Duplex: 109kg/km
NVP (Nominal velocity of propagation):	0.78c

Installation Cables S/FTP Cat.7 1000MHz 30% Braid-coverage LS0H Dca

Electrical Characteristics at 20°C according to IEC 61156-5

	Freq. (MHz)	Specification	Unit
NVP (Nominal velocity of propagation)	4 – 600	0.78	c
Skew	4 – 600	≤ 25	ns/100m
Propagation delay	4 – 600	≤ 534 + 36/Vf	ns/100m
Attenuation	4 – 600	≤ 1.8*Vf+0.01*f+0.20/Vf	dB
TCL, level 1 (Transverse conversion loss)	1 – 250	> 40 –10*log (f)	dB
ELTCL (Equal level transverse conversion loss)	1 – 30	> 35 – 20*log (f)	dB
NEXT (Near end cross talk)	4 – 600	≥ 102.4-15*log (f) (78 max.)	dB
PS NEXT (Power sum near end cross talk)	4 – 600	≥ 99.4-15*log (f) (75 max.)	dB
ACR-N (Attenuation cross talk ratio)	4 – 600	NEXT – Dämpfung	dB
PS ACR-N (Power sum attenuation cross talk ratio)	4 – 600	PSNEXT – Dämpfung	dB
ACR-F (Equal level far end cross talk)	4 – 600	≥ 95.3-20*log (f) (78 max.)	dB
PS ACR-F (Power sum equal level far end cross talk)	4 – 600	≥ 92.3-20*log (f) (75 max.)	dB
Input impedance open / short (Zo/s)	4 – 600	100	Ω
RL (Return loss)	4 ≤ f ≤ 10	≥ 20 + 5*log (f)	dB
	10 ≤ f ≤ 20	≥ 25	dB
	20 ≤ f ≤ 600	≥ 25-7*log (f/20)	dB
Coupling attenuation (type I)	30 – 100	≥ 55	dB
	100 – 1000	≥ 55-20*log (f/100)	dB
Transfer impedance (ZT, grade 1)	1	< 50	mΩ/m
	10	< 100	mΩ/m
	30	< 200	mΩ/m
	100	< 1000	mΩ/m

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 30%, blue, Sale per meter	25,50kg/km		**HSEKP423HP**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 30%, blue, Drum 1000m	25,50kg/km		**HSKP423HP1**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 30%, blue, Drum 500m	25,50kg/km		**HSKP423HP5**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 30%, blue, Box 100m	25,50kg/km		**HSKP423HP9**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 30%, yellow, Sale per meter	25,50kg/km		**HSEKP423HY**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 30%, yellow, Drum 500m	25,50kg/km		**HSKP423HY5**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 30%, yellow, Box 100m	25,50kg/km		HSKP423HY9
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H Dca-s1-d1-a1, 30%, blue, Sale per meter	51,00kg/km		**HSEKP823HP**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H Dca-s1-d1-a1, 30%, blue, Drum 500m	51,00kg/km		**HSKP823HP5**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H Dca-s1-d1-a1, 30%, blue, Drum 100m	51,00kg/km		HSKP823HP9
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H Dca-s1-d1-a1, 30%, yellow, Sale per meter	51,00kg/km		**HSEKP823HY**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H Dca-s1-d1-a1, 30%, yellow, Drum 500m	51,00kg/km		**HSKP823HY5**

Installation Cables S/FTP Cat.7 1000MHz PE OUTDOOR



HSEKP423E3



HCKP10N04E

S-JACK | S/FTP | Cat. 7 | 10GB | PE | OUTDOOR

Schrack-Info

Installationcable for generic, structured network cabling systems. Support all applications requiring Class D to Class F (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.

- HSEKP423E3: UV-resistant
- HCKP10N04E: UV-resistant, can be laid in the ground

Technical Data

	HSEKP423E3	HCKP10N04E
Standards:	ISO/IEC 11801, EN 50173-1	
	Cat.7 nach IEC 61156-5, EN 50288-4-1	
Conductor:	4 individual shielded twisted pairs	
Conductor material:	Solid bare copper, AWG23/1	
Insulation material:	Halogen free foam/Skin material	
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)	
Overall braid:	Solid, tinned copper	
Outer jacket:	Polyethylene (PE)	
Outside diameter	7.7mm	8.6mm
Jacket colour:	Black RAL9005	
Temperature range during operation, storage:	-30°C bis +60°C	-25°C bis +70°C
Temperature range during installation:	0°C bis +50°C	-10°C bis +50°C
Min. bend radius during operation:	3 x D	4 x D
Min. bend radius during installation:	6 x D	8 x D
Max. pulling strength:	85N	110N
Total cable weight:	53kg/km	65kg/km
NVP (Nominal velocity of propagation):	0.78c	0.80c

Electrical Characteristics at 20°C according to IEC 61156-5

Frequency	1	10	100	200	250	500	600	700	800	900	1000	MHz
Attenuation	2	5.7	18.5	26.8	30.2	44.1	18.9	-	-	-	-	dB/100m
NEXT	80	80	72	68	66	62	61	-	-	-	-	dB/100m
PS NEXT	77	77	69	65	63	59	58	-	-	-	-	dB/100m
ELFEXT	80	74	54	48	46	40	38	-	-	-	-	dB/100m
PS ELFEXT	77	71	51	456	43	37	35	-	-	-	-	dB/100m
RL	23	25	20.1	18	17.3	17.3	17.3	-	-	-	-	dB/100m

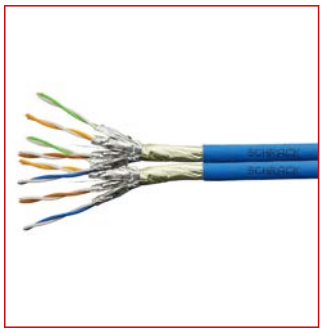
According to EN50288-4-1(2014)/IEC 61156-5(2009)

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz PE OUTDOOR, black, Sale per meter	28,00kg/km		**HSEKP423E3**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz PE OUTDOOR, black, Drum 1000m	28,00kg/km		**HSKP423E31**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz PE OUTDOOR, black, Drum 500m	28,00kg/km		**HSKP423E35**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz PE OUTDOOR, black, Drum 500m	28,00kg/km		HSKP423E39
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz PE OUTDOOR, black, buriable, Sale per meter	34,00kg/km		**HCKP10N04E**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1000MHz PE OUTDOOR, black, buriable, Drum 1000m	34,00kg/km		**HCKP1004E1**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1000MHz PE OUTDOOR, black, buriable, Drum 500m	34,00kg/km		**HCKP1004E5**

Installation Cables F/FTP Cat.6$_A$ 500MHz LS0H-3 Dca



HSEKP423GA



HSEKP823GA

S-JACK | F/FTP | Cat. 6$_A$ | 10GB | LS0H-3 | D$_{ca}$

Schrack-Info

Installation cables for generic, structured network cabling systems. Support all applications requiring Class D to Class E$_A$ (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

Technical Data

Standards:	IEC 11801, EN 50173-1 Cat.6$_A$ acc. to IEC 61156-5, EN 50288-10-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG23/1 (0.56mm)
Insulation material:	Cell Polyethylene (PE)
Nominal diameter over insulation:	1.4mm
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Aluminum foil
Jacket:	LS0H-3, FRNC acc. to IEC 61034-2, EN 50268-2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-3-24, EN 60332-3-24
Reaction to fire:	Simplex: Dca, s2, d2, a1 Duplex: Dca, s2, d2, a1
Outside diameter:	Simplex: 6.8mm, Duplex: 6.8mm x 13.6mm
Jacket color:	Blue RAL5015
Temperature range during operation, storage:	-20°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 4 x D, Duplex: 4 x D (flat side)
Min. bend radius during installation:	Simplex: 8 x D, Duplex: 8 x D (flat side)
Max. pulling strength:	Simplex: 110N, Duplex: 220N
Burning load:	Simplex: 600kJ/m, Duplex: 1200kJ/m
Total cable weight:	Simplex: 49kg/km, Duplex: 98kg/km
NVP (Nominal velocity of propagation):	0.80c

Installation Cables F/FTP Cat.6_A 500MHz LS0H-3 Dca

Electrical Characteristics at 20°C according to IEC 61156-5

Frequency	Attenuation		NEXT		PSNEXT		ACR-N		PSACR-N		ACR-F		PSACR-F		RL	
MHz	dB/100m		dB		dB		dB@100m		dB@100m		dB@100m		dB@100m		dB	
	typ.	Cat. 6_A max.*	typ.	Cat. 6_A max.*	typ.	Cat. 6_A max.*	typ.	Cat. 6_A max.*	typ.	Cat. 6_A max.*	typ.	Cat. 6_A max.*	typ.	Cat. 6_A max.*	typ.	Cat. 6_A max.*
1	1.9	2.1	95	75.3	92	72.3	93	73.2	90	70.2	91	68.0	88	65.0	25.1	-
10	5.2	5.9	90	60.3	87	57.3	85	54.4	82	51.4	96	48.0	93	45.0	35.2	25.0
100	17.7	19.1	75	45.3	72	42.3	57	26.2	54	23.2	90	28.0	87	25.0	37.2	20.1
200	26.4	27.6	68	40.8	65	37.8	42	13.2	39	10.2	78	22.0	75	19.0	31.1	18.0
250	29.9	31.1	66	39.3	63	36.3	36	8.2	33	5.2	75	20.0	72	17.0	29.5	17.3
300	31.9	34.3	65	38.1	62	35.1	33	3.8	30	0,8	72	18.5	69	15.5	28.3	17.3
450	38.9	42.7	63	35.5	60	32.5	24	-7.2	21	-10.2	69	14.9	66	11.9	26.7	17.3
500	41.2	45.3	61	34.8	58	31.8	20	-10.5	17	-13.5	66	14.0	63	11.0	26.3	17.3

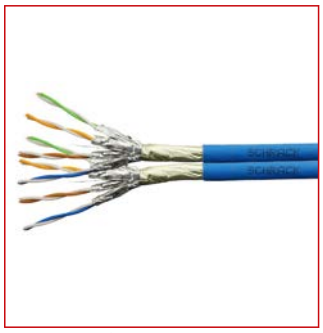
* Limits below 4 MHz are informative.

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
F/FTP cable Cat.6_A, 4x2xAWG23/1, 500 Mhz, LS0H-3 Dca-s1,d2,a1, blue, Sale per meter	20,00kg/km		**HSEKP423GA**
F/FTP cable Cat.6_A, 4x2xAWG23/1, 500 Mhz, LS0H-3 Dca-s1,d2,a1, blue, Drum 1000m	20,00kg/km		**HSKP423GA1**
F/FTP cable Cat.6_A, 4x2xAWG23/1, 500 Mhz, LS0H-3 Dca-s1,d2,a1, blue, Drum 500m	20,00kg/km		**HSKP423GA5**
F/FTP cable Cat.6_A, 4x2xAWG23/1, 500 Mhz, LS0H-3 Dca-s1,d2,a1, blue, Ring 100m	20,00kg/km		HSKP423GA9
F/FTP Cable Cat.6_A, 2x(4x2xAWG23/1), 500MHz, LS0H-3 Dca-s1,d2,a1, blue, Sale per meter	40,00kg/km		**HSEKP823GA**
F/FTP Cable Cat.6_A, 2x(4x2xAWG23/1), 500MHz, LS0H-3 Dca-s1,d2,a1, blue, Drum 500m	40,00kg/km		**HSKP823GA5**
F/FTP Cable Cat.6_A, 2x(4x2xAWG23/1), 500MHz, LS0H-3 Dca-s1,d2,a1, blue, Ring 100m	40,00kg/km		HSKP823GA9

Installation Cables F/FTP Cat.6$_A$ 500MHz LS0H-3 Dca



HSEKP423HA



HSEKP823HA

S-JACK | F/FTP | Cat. 6$_A$ | 10GB | LS0H-3 | D$_{ca}$

Schrack-Info

Installation cables for generic, structured network cabling systems. Support all applications requiring Class D to Class E$_A$ (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

Technical Data

Standards:	IEC 11801, EN 50173-1 Cat.6$_A$ acc. to IEC 61156-5, EN 50288-10-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG23/1 (0.56mm)
Insulation material:	Cell Polyethylene (PE)
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Aluminium foil
Jacket:	LS0H-3, FRNC acc. to IEC 61034-2, EN 50268-2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-3-24, EN 60332-3-24
Reaction to fire:	Simplex: Dca-s2, d2, a1
	Duplex: Dca-s2, d2, a1
Outside diameter:	Simplex: 7.2mm, Duplex: 7.2mm x 15.0mm
Jacket color:	Blue, RAL5015
Temperature range during operation, storage:	-20°C bis +60°C
Temperature range during installation:	0°C bis +50°C
Min. bend radius during operation:	Simplex: 3 x D, Duplex: 3 x D (flat side)
Min. bend radius during installation:	Simplex: 7 x D, Duplex: 7 x D (flat side)
Max. pulling strength:	Simplex: 110N, Duplex: 220N
Burning load:	Simplex: 570kJ/m, Duplex: 1140kJ/m
Total cable weight:	Simplex: 48kg/km, Duplex: 96kg/km
NVP (Nominal velocity of propagation):	0.79c

Electrical Characteristics at 20°C according to IEC 61156-5

Frequency	1	10	16	20	31.25	62.5	100	250	500	MHz
Attenuation	2.1	5.9	7.5	8.4	10.5	15	19.1	31.1	45.3	dB/100m
NEXT	75.3	60.3	57.2	55.8	52.9	48.4	45.3	39.3	34.8	dB/100m
PS NEXT	72.3	57.3	54.2	52.8	49.9	45.4	42.3	36.3	31.8	dB/100m
ACR-F	68	48	43.9	42	38.1	32.1	28	20	14	dB/100m
PS ACR-F	65	45	40.9	39	35.1	29.1	25	17	11	dB/100m
ACR-N	73.2	54.4	49.8	47.4	42.4	33.4	26.2	8.3	-10.4	dB/100m

* Limits below 4 MHz are informative.

Installation Cables F/FTP Cat.6$_A$ 500MHz LS0H-3 Dca

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
F/FTP cable Cat.6$_A$, 4x2xAWG23/1, 500 Mhz, LS0H-3 Dca-s2,d2,a1, blue, Sale per meter	20,00kg/km		**HSEKP423HA**
F/FTP cable Cat.6$_A$, 4x2xAWG23/1, 500MHz, LS0H-3 Dca-s2,d2,a1, blue, drum 1000m	20,00kg/km		**HSKP423HA1**
F/FTP cable Cat.6$_A$, 4x2xAWG23/1, 500 Mhz, LS0H-3 Dca-s2,d2,a1, blue, drum 500m	20,00kg/km		**HSKP423HA5**
F/FTP Cable Cat.6$_A$, 2x(4x2xAWG23/1), 500MHz, LS0H-3 Dca-s2,d2,a1, blue, Sale per meter	40,00kg/km		**HSEKP823HA**
F/FTP Cable Cat.6$_A$, 2x(4x2xAWG23/1), 500MHz, LS0H-3 Dca-s2,d2,a1, blue, drum 500m	40,00kg/km		**HSKP823HA5**

Installation Cables U/FTP Cat.6$_A$ 500MHz LS0H B2ca



HSEKF423CA



HSEKF423CN

S-JACK | U/FTP | Cat. 6$_A$ | 10GB | LS0H | B2$_{ca}$

Schrack-Info

Installationcables for generic, structured network cabling systems. Support all applications requiring Class D to Class E$_A$ (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

Technical Data

Standards:	IEC 11801, EN 50173-1 Cat.6$_A$ acc. to IEC 61156-5, EN 50288-10-1
Conductor:	Simplex: 4 individual shielded twisted pairs
Conductor material:	Solid bare copper, AWG23/1
Insulation material:	Foamed Polyethylene
Nominal diameter over insulation:	1.32mm
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Aluminium foil
Jacket:	LS0H, FRNC acc. to IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-1 EN 60332-1
Reaction to fire:	Simplex: B2ca, s1a, d1, a1
Outside diameter:	Simplex: 7.1mm
Jacket color:	Blue RAL5015, Orange RAL2003
Temperature range during operation, storage:	-30°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 4 x D (flat side)
Min. bend radius during installation:	Simplex: 8 x D (flat side)
Max. pulling strength:	Simplex: 79N
Burning load:	Simplex: 900kJ/m
Total cable weight:	Simplex: 48kg/km
NVP (Nominal velocity of propagation):	0.77c

Installation Cables U/FTP Cat.6$_A$ 500MHz LS0H B2ca

Electrical Characteristics at 20°C according to IEC 61156-5

Frequency	1	4	10	16	31.2	62.5	100	125	200	250	300	500	MHz
Attenuation	2.1	3.8	5.9	7.5	10.5	15.0	19.1	21.5	27.6	31.1	34.3	45.3	dB/100m
NEXT	75.3	66.3	60.3	57.2	52.9	48.4	45.3	43.8	40.8	39.3	38.1	34.8	dB/100m
PS NEXT	72.3	63.3	57.3	54.2	49.9	45.4	42.3	40.8	37.8	36.3	35.1	31.8	dB/100m
ACR	73.2	62.5	54.4	49.8	42.4	33.4	26.2	22.3	13.2	8.3	3.9	-10.4	dB/100m
PS ACR	70.2	59.5	51.4	46.8	39.4	30.4	23.2	19.3	10.2	5.36	0.9	-13.4	dB/100m
ACR-F	68.0	56.0	48.0	43.9	38.1	32.1	28.0	26.1	22.0	20.0	18.5	14.0	dB/100m
PS ACR-F	65.0	53.0	45.0	40.9	35.1	29.1	25.0	23.1	19.0	17.0	15.5	11.0	dB/100m
RL	20.0	23.0	25.0	25.0	23.6	21.5	20.1	19.4	18.0	17.3	17.3	17.3	dB/100m
TCL level 1	40.0	34.0	30.0	28.0	25.1	22.0	20.1	19.0	17.0	16.0	-	-	dB/100m
PS ANEXT	35.0	23.0	15.0	10.9	5.1	-	-	-	-	-	-	-	dB/100m
PS AACR-F	67.0	67.0	67.0	67.0	67.0	65.6	62.5	61.0	58.0	56.5	55.3	52.0	dB/100m
EL TCTL	67.0	66.2	54.1	54.1	48.3	42.3	38.2	36.3	32.2	30.2	28.7	24.2	dB/100m
Propagation delay	570	552	543	543	540	539	538	537	536	536	536	536	dB/100m

* Limits below 4 MHz are informative.

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
U/FTP Cable Cat.6$_A$, 4x2xAWG23/1, 500MHz, LS0H B2ca-s1a,d1,a1, blue, Sale per meter	20,00kg/km		**HSEKF423CA**
U/FTP Cable Cat.6$_A$, 4x2xAWG23/1, 500MHz, LS0H B2ca-s1a,d1,a1, blue, Drum 500m	20,00kg/km		**HSKF423CA5**
U/FTP Cable Cat.6$_A$, 4x2xAWG23/1, 500MHz, LS0H B2ca-s1a,d1,a1, blue, Box 100m	20,00kg/km		**HSKF423CA9**
U/FTP Cable Cat.6$_A$, 4x2xAWG23/1, 500MHz, LS0H B2ca-s1a,d1,a1 orange	20,00kg/km		**HSEKF423CN**
U/FTP Kabel Cat.6$_A$, 4x2xAWG23/1, 500MHz, LS0H B2ca-s1a,d1,a1, orange, Drum 500m	20,00kg/km		**HSKF423CN5**
U/FTP Kabel Cat.6$_A$, 4x2xAWG23/1, 500MHz, LS0H B2ca-s1a,d1,a1, orange, Box 100m	20,00kg/km		HSKF423CN9

Installation Cables U/FTP Cat.6$_A$ 500MHz LS0H Dca



HSEKF423HB



HSEKF823HB

S-JACK | U/FTP | Cat. 6$_A$ | 10GB | LS0H | D$_{ca}$

Schrack-Info

Installationcables for generic, structured network cabling systems. Support all applications requiring Class D to Class E$_A$ (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

Technical Data

Standards:	IEC 11801, EN 50173-1 Cat.6$_A$ acc. to IEC 61156-5, EN 50288-10-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG23/1
Insulation material:	Foamed Polyethylene
Nominal diameter over insulation:	1.32mm
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Aluminium foil
Jacket:	LS0H, FRNC acc. to IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-1, EN 60332-1
Reaction to fire:	Simplex: Dca, s2, d1, a1 Duplex: Dca, s2, d1, a1
Outside diameter:	Simplex: 6.9mm, Duplex: 6.9mm x 13.8mm
Jacket color:	Blue RAL5015
Temperature range during operation, storage:	-30°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 4 x D, Duplex: 4 x D (flat side)
Min. bend radius during installation:	Simplex: 8 x D, Duplex: 8 x D (flat side)
Max. pulling strength:	Simplex: 79N, Duplex: 158N
Burning load:	Simplex: 515kJ/m, Duplex: 1030kJ/m
Total cable weight:	Simplex: 48kg/km, Duplex: 101kg/km
NVP (Nominal velocity of propagation):	0.77c

Installation Cables U/FTP Cat.6$_A$ 500MHz LS0H Dca

Electrical Characteristics at 20°C according to IEC 61156-5

Frequency	1	4	10	16	31.2	62.5	100	125	200	300	500	MHz
Attenuation	2.1	3.8	5.9	7.5	10.5	15	19.1	21.5	27.6	34.3	45.3	dB/100m
NEXT	75.3	66.3	60.3	57.2	52.9	48.4	45.3	43.8	40.8	38.1	34.8	dB/100m
PS NEXT	72.3	63.3	57.3	54.2	49.9	45.4	42.3	40.8	37.8	35.1	31.8	dB/100m
ACR	73.2	62.5	54.4	49.8	42.4	33.4	26.2	22.3	13.2	3.9	-10.4	dB/100m
PS ACR	70.2	59.5	51.4	46.8	39.4	30.4	23.2	19.3	10.2	0.9	-13.4	dB/100m
ACR-F	68	56	48	43.9	38.1	32.1	28	26.1	22	18.5	14	dB/100m
PS ACR-F	65	53	45	40.9	35.1	29.1	25	23.1	19	15.5	11	dB/100m
Return Loss	20	23	25	25	23.6	21.5	20.1	19.4	18	17.3	17.3	dB/100m
TCL level 1	40	34	30	28	25.1	22	20	19	17	-	-	dB/100m
EL TCTL	35	23	15	10.9	5.1	-	-	-	-	-	-	dB/100m
PS ANEXT	67	67	67	67	67	65.6	62.5	61	58	55.3	52	dB/100m
PS AACR-F	67	66.2	58.2	54.1	48.3	42.3	38.2	36.3	32.2	28.7	24.2	dB/100m
Propagation delay	570	552	545	543	540	539	538	537	536	536	536	dB/100m

* Limits below 4MHz are informative.

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
U/FTP Cable Cat.6$_A$, 4x2xAWG23/1, 500MHz, LS0H Dca-s2-d1-a1, blue, Sale per meter	20,00kg/km		**HSEKF423HB**
U/FTP Cable Cat.6$_A$, 4x2xAWG23/1, 500MHz, LS0H Dca-s2-d1-a1, blue, Drum 1000m	20,00kg/km		**HSKF423HB1**
U/FTP Cable Cat.6$_A$, 4x2xAWG23/1, 500MHz, LS0H Dca-s2-d1-a1, blue, Drum 500m	20,00kg/km		**HSKF423HB5**
U/FTP Cable Cat.6$_A$, 4x2xAWG23/1, 500MHz, LS0H Dca-s2-d1-a1, blue, Box 100m	20,00kg/km		**HSKF423HB9**
U/FTP Cable Cat.6$_A$, 2x(4x2xAWG23/1), 500MHz, LS0H Dca-s2-d1-a1, blue, Sale per meter	40,00kg/km		**HSEKF823HB**
U/FTP Cable Cat.6$_A$, 2x(4x2xAWG23/1), 500MHz, LS0H Dca-s2-d1-a1, blue, Drum 500m	40,00kg/km		**HSKF823HB5**
U/FTP Cable Cat.6$_A$, 2x(4x2xAWG23/1), 500MHz, LS0H Dca-s2-d1-a1, blue, Drum 100m	40,00kg/km		HSKF823HB9



PROVEN TECHNOLOGY

DE-EMBEDDED LINE

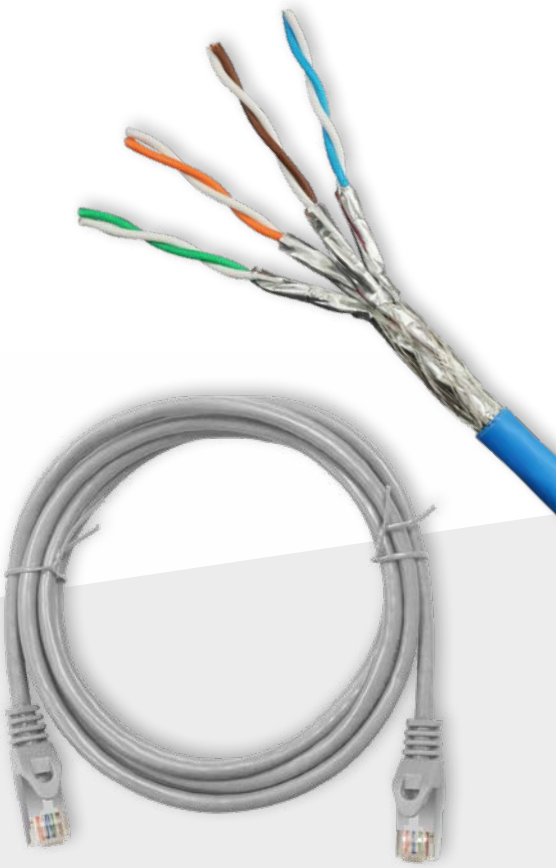
Class E_A 10GB, Cat.6, Cat.5e STP & UTP System LSA

The DE-EMBEDDED LINE from Schrack Technik is a simple, easy-to-install system consisting of patch panels, installation cables, data outlets and patch cables.
The patch panels and data outlets are designed using LSA technology.
Thanks to the UAE cover of the shielded outlets, they can be integrated into switch programs.

The features at a glance

- Proven LSA-connection technology
- Outlet HSEDG2UW6V
  - Low installation depth - 32 mm
  - Suitable for floor boxes
- Outlets HSEDG2UW6V / HSEDG2UW6P
  - Compatible with all standard UAE Design compatible switch programs, such as SCHRACK VISIO S 55 and SCHRACK VISIO S 50





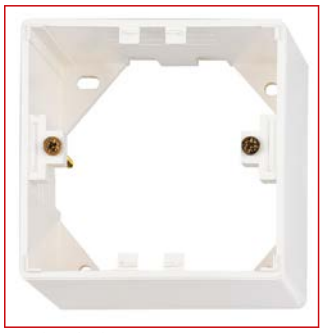
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DE-EMBEDDED-LINE Data Outlet RJ45 Shielded 10GB Class E_A, UAE-Centralplate



HSEDG2UW6V



HSEAP840WV

Schrack-Info

The data outlets comply with class E_A (10GB) and are suitable for cable-duct installation (CI), for flush-mounting (FM) or for surface-mounting (SM) by means of a separate wallmount-box. Floor-Box-installation (FB) is possible by breaking away 2 fastening lugs. Design-compatibility is easily possible due to the UAE-compatible centralplate. By replacing the centralplate, the data outlets are compatible with all switch programs that have a UAE central plate, such as SCHRACK VISIO S 50 and VISIO S 55. The outlet has a die-cast zinc housing with Fast-On connector for connection to an earthing-point and comes with paper and window for labelling. Delivery also includes the centralplate 50x50mm and the frame 80x80mm. Cable-entry is from down-side. Color-coding labels are prepared for cable-connection according to TIA 568A and 568B. Suitable for UAE covers SCHRACK VISIO S 50 and VISIO S 55, as well as for UAE covers from other switch range manufacturers.

LSA VISIO STP 10GB E_A

Integration in Schrack Technik switch program

VISIO S 55	**2xRJ45, UAE-Centralplate**
Centralplate 55x55 mm	EV104312, EV114312, EV124312
Frame 80x80 mm	EV105301, EV115301, EV125301
Wallmount box	EV105306, EV115306, EV125306

DESCRIPTION	AVAILABLE	ORDER NO.
DE-EMBEDDED LINE Data Outlet 2xRJ45 shielded 10GB Class E_A, 4PPoE (100W), UAE, 80x80mm, angled, RAL9010 Pure white, UAE centralplate, Design switch-programme compatible		**HSEDG2UW6V**
Wallmount Box for HSEDG2UW6V, W=80 x H=40 x D=80mm, RAL9010 Pure white		**HSEAP840WV**
2-gang, white		**EV104312**
2-gang, anthracite		**EV114312**
2-gang, silver		**EV124312**
White		**EV105301**
Anthracite		**EV115301**
Silver		**EV125301**
White		**EV105306**
Anthracite		**EV115306**
Silver		**EV125306**

Data Outlet RJ45 Shielded Cat.6, UAE-Centralplate


HSEDG2UW6P


HSEAP842WF


HSEDZBES

Schrack-Info

This data-outlet is loaded with RJ45 jacks and fullfills Class D performance.
The outlet comes in color RAL9010 and is suitable for cable-duct installation (CI), for flush-mounting (FM) or for surface-mounting (SM) by means of a separate wallmount-box.
By replacing the centralplate, the data outlets are compatible with all switch programs that have a UAE central plate, such as SCHRACK VISIO S 50 and VISIO S 55.
The outlet has a die-cast zinc housing and comes with paper and window for labelling.
Delivery also includes the centralplate 50x50mm and the frame 80x80mm.
Cable-entry is from down-side. Color-coding labels are prepared for cable-connection according to TIA 568A and 568B.
For fixing the outlet HSEAP842WF to the wallmount box the screw-set HSEDZBES has to be used.
Suitable for UAE covers SCHRACK VISIO S 50 and VISIO S 55, as well as for UAE covers from other switch range manufacturers.

LSA VISIO STP Cat. 6

Integration in Schrack Technik switch program

VISIO S 55	**2xRJ45, UAE-Centralplate**
Centralplate 55x55 mm	EV104312, EV114312, EV124312
Frame 80x80 mm	EV105301, EV115301, EV125301
Wallmount box	EV105306, EV115306, EV125306

DESCRIPTION	AVAILABLE	ORDER NO.
Data Outlet 2xRJ45 shielded Cat.6, UAE, 80x80mm, RAL9010 Pure white, UAE centralplate, Design switch-programme compatible		**HSEDG2UW6P**
Wallmount Box for HSED0xUWyS, W80xH40xD80mm, RAL9010 Pure white		**HSEAP842WF**
Paper, window and screws for HSED0xUWyS		**HSEDZBES**
2-gang, white		**EV104312**
2-gang, anthracite		**EV114312**
2-gang, silver		**EV124312**
White		**EV105301**
Anthracite		**EV115301**
Silver		**EV125301**
White		**EV105306**
Anthracite		**EV115306**
Silver		**EV125306**

Data Outlet RJ45 Unshielded Cat.5e



HSEDU2UW5F



HSEAP842WF

Schrack-Info

This data-outlet is loaded with RJ45 jacks and fullfills Class D performance.
The outlet comes in color RAL9010 and is suitable for cable-duct installation (CI), for flush-mounting (FM), surface-mounting (SM) by means of a separate wallmount-box.
It can be combined with switch-programs that offer a distance-frame for 50x50mm centralplates.
The outlet comes with paper and window for labelling.
Delivery also includes the centralplate 50x50mm and the frame 80x80mm.
Cable-entry is possible from left or right side.
Color-coding labels are prepared for cable-connection according to TIA 568A and 568B.

LSA UTP Cat. 5e

DESCRIPTION	AVAILABLE	ORDER NO.
Data Outlet 2xRJ45 unshielded Cat.5e, 80x80mm, angled, RAL9010 Pure white		**HSEDU2UW5F**
Wallmount Box for HSED0xUWyS, W80xH40xD80mm, RAL9010 Pure white		**HSEAP842WF**

IP44 Data Outlets Wallmount Box Empty for Schrack Format A (SFA) and Schrack Format B (SFB)



HSEIP44APT



HSEIP44AKT

Schrack-Info

The IP44 wallmount outlet is suitable for installation of all SCHRACK data outlets LSA.
The outlet comes in color RAL7035 Light grey.
To improve strain relief, we recommend to use the M25/ 2x8 cable gland which has been designed to accommodate two cables with a diameter from 3mm up to 8mm.

LSA IP44 STP UTP Cat. 6 Cat. 5e

DESCRIPTION	AVAILABLE	ORDER NO.
IP44 Wallmount Box empty, lockable, 90x90x90mm, RAL7035 Light grey		**HSEIP44APT**
IP44 data outlet cable gland M25 for 2 cables 3 - 8mm		**HSEIP44AKT**

IP44 Data Outlets Flushmount Box Empty for Schrack Format A (SFA) and Schrack Format B (SFB)



HSEIP44UPT



HSEIP44UDT

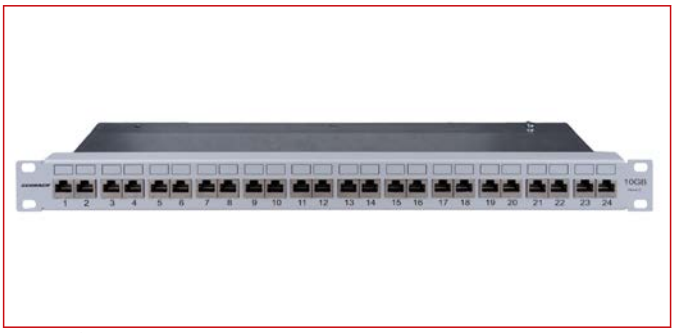
Schrack-Info

The IP44 flushmount outlet is suitable for installation of all SCHRACK data outlets LSA.
The outlet comes in color RAL7035 Light grey.
The complete flushmount outlet needs both, the flushmount cover and the flushmount box.

LSA IP44 STP UTP Cat. 6 Cat. 5e

DESCRIPTION	AVAILABLE	ORDER NO.
IP44 Flushmount cover empty, lockable, 90x35x90mm, RAL7035 Light grey		**HSEIP44UPT**
IP44 Flushmount box for flushmount cover HSEIP44UPT, RAL7035 Light grey		HSEIP44UDT

DE-EMBEDDED-LINE Patchpanel 19" RJ45 Shielded 10GB Class E_A



HSERG246GV

LSA | 19" | STP | 10GB | E_A

Schrack-Info

The 19" patchpanel complies with class E_A (10GB) and is supplied in the color RAL7035 Light grey with a solid metal cover.
The cover of the patchpanel is fixed by a quick fastener and can be opened without need of any tool.
Included in delivery are the installation materials (cable-ties, cage nuts with screws, potential equalisation cable) and a rigid cable-guide in the rear.

DESCRIPTION	AVAILABLE	ORDER NO.
DE-EMBEDDED LINE Patchpanel 19" 24xRJ45 shielded, 10GB Class E_A, 4PPoE (100W), 1U, RAL7035 Light grey		**HSERG246GV**

DE-EMBEDDED-LINE Patchpanel 10" RJ45 Shielded 10GB Class E_A



HSERG106GV

LSA | 10" | STP | 10GB | E_A

Schrack-Info

The 10" patchpanel complies with class E_A (10GB) and is supplied in the color RAL7035 Light grey with a solid metal cover.
The cover of the patchpanel is fixed by a quick fastener and can be opened without need of any tool.
Included in delivery are the installation materials (cable-ties, cage nuts with screws, potential equalisation cable) and a rigid cable-guide in the rear.

DESCRIPTION	AVAILABLE	ORDER NO.
DE-EMBEDDED LINE Patchpanel 10" 10xRJ45 shielded, 10GB, Class E_A, 4PPoE (100W), 1U, RAL7035 Light grey		**HSERG106GV**

DE-EMBEDDED-LINE Patchpanel Desktop RJ45 Shielded 10GB Class E_A



HSERG086GV



HSERHUTADA

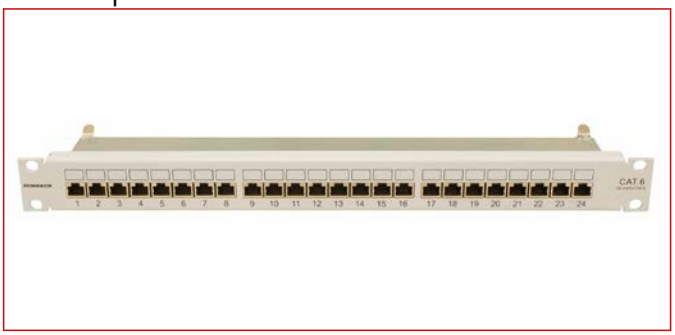
Schrack-Info

The patchpanel surface-mounted housing (SM) complies with class E_A (10GB) and is supplied in the color RAL7035 Light grey.
The patchpanel can be fixed to a wall.
Available accessories are adapter-clips (1PU = 2 pieces), which are needed to fix the patchpanel to a DIN-rail.

LSA | Desktop | STP | 10GB | E_A

DESCRIPTION	AVAILABLE	ORDER NO.
DE-EMBEDDED LINE Patchpanel Desktop 8xRJ45 shielded, 10GB Class E_A, 4PPoE (100W), RAL7035 Light grey		**HSERG086GV**
DIN-rail mounting clips (2 pieces) for HSERG086GV/HSER0080GV		**HSERHUTADA**

Patchpanel 19" RJ45 Shielded Cat.6



HSERG246GP

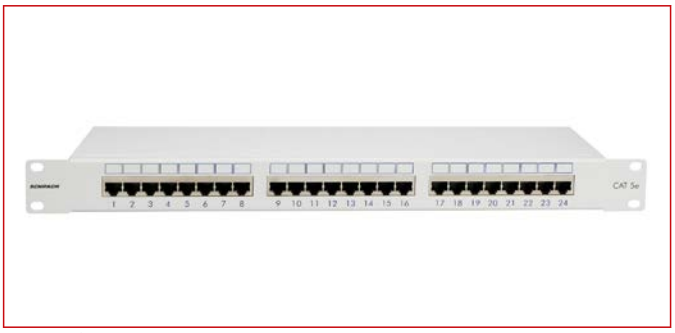
Schrack-Info

This patchpanel 19" is loaded with RJ45 jacks and fullfills Cat.6 performance.
It comes as 1U tray-type version in color RAL7035 Light grey including a metal-cover.
The cover of the patchpanel is fixed by a quick fastener and can be opened without need of any tool.
Included in delivery are the installation materials (cable-ties, cage nuts with screws, potential equalisation cable) and a rigid cable-guide in the rear.

LSA | 19" | STP | Cat. 6

DESCRIPTION	AVAILABLE	ORDER NO.
Patchpanel 19" 24xRJ45 shielded, Cat.6, 1U, RAL7035 Light grey		**HSERG246GP**

Patchpanel 19" RJ45 Shielded Cat.5e



HSERG245GS

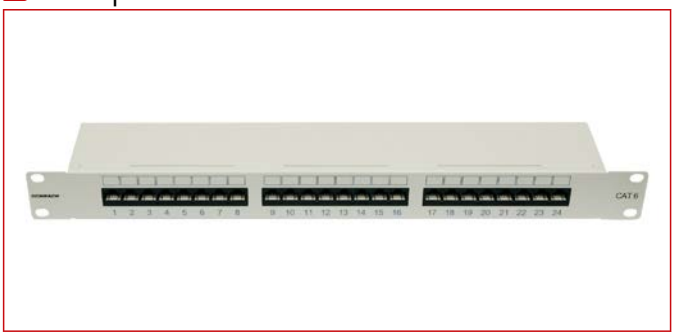
LSA | 19" | STP | Cat. 5e

Schrack-Info

This patchpanel 19" is loaded with RJ45 jacks and fullfills Class D performance.
It comes as 1U tray-type version in color RAL7035 Light grey including a metal-cover.
The cover of the patchpanel is fixed by a quick fastener and can be opened without need of any tool.
Included in delivery are the installation materials (cable-ties, cage nuts with screws, potential equalisation cable) and a rigid cable-guide in the rear.

DESCRIPTION	AVAILABLE	ORDER NO.
Patchpanel 19" 24xRJ45 shielded, Cat.5e, 1U, RAL7035 Light grey		**HSERG245GS**

Patchpanel 19" RJ45 Unshielded Cat.6



HSERU246GV

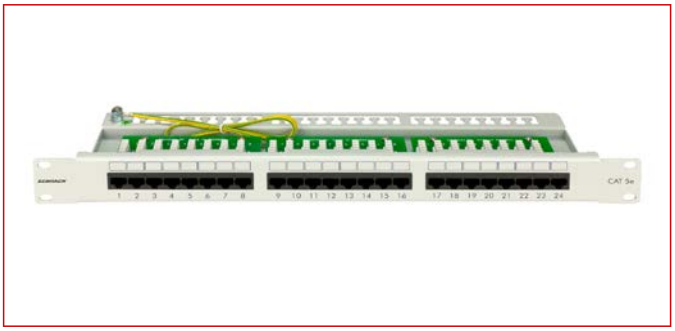
LSA | 19" | UTP | Cat. 6

Schrack-Info

This patchpanel 19" is loaded with RJ45 jacks and fullfills Class E performance.
It comes as 1U tray-type version in color RAL7035 Light grey including a metal-cover.
The cover of the patchpanel is fixed by a quick fastener and can be opened without need of any tool.
Included in delivery are the installation materials (cable-ties, cage nuts with screws, potential equalisation cable) and a rigid cable-guide in the rear.

DESCRIPTION	AVAILABLE	ORDER NO.
Patchpanel 19" 24xRJ45 unshielded Cat.6, 1U, RAL7035 Light grey		**HSERU246GV**

Patchpanel 19" RJ45 Unshielded Cat.5e



HSERU245GF

LSA | 19" | UTP | Cat. 5e

Schrack-Info

This patchpanel 19" is loaded with RJ45 jacks and fullfills Class D performance.
It comes as 1U tray-type version in color RAL7035 Light grey.
Included in delivery are the installation materials (cable-ties, cage nuts with screws, potential equalisation cable) and a rigid cable-guide in the rear.

DESCRIPTION	AVAILABLE	ORDER NO.
Patchpanel 19" 24xRJ45 unshielded Cat.5e, 1U, RAL7035 Light grey		**HSERU245GF**

LSA Crimping Tools



HKRONELSA

LSA

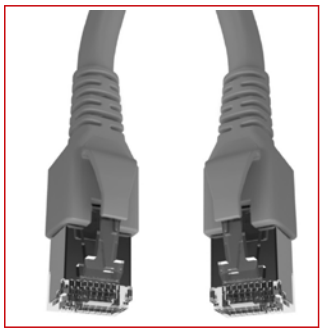
Schrack-Info

LSA crimping tool
Solderless, screwless and stripping-free connection technology
With sensor (can be switched off) for scanning the wire end position
Scissors can be switched off
Placing and cutting the wire in one work
Fold-out unlocking blade
Fold-out Pulling hooks
Housing color: Grey

DESCRIPTION	AVAILABLE	ORDER NO.
LSA Crimping tool with sensor, grey		**HKRONELSA**

Patchcords RJ45 Shielded Cat.6_A


H6GTG02K0G


H6GTG02K0G


H6GTB02K0B

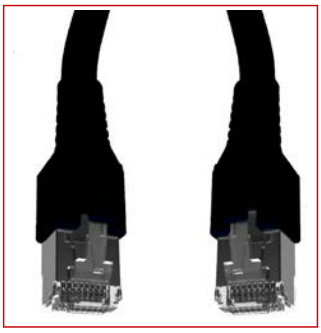

H6GTR02K0R


H6GTY02K0Y


H6GTU02K0U


H6GTN02K0N


H6GTV02K0V


H6GTS02K0S


H6GTW02K0W

Schrack-Info

Patchcords for generic, structured network cabling systems.
Support all applications requiring Class D to Class E_A (e.g. 100Base-TX, ATM) as well as 10GBase-T, 1000Base-T and VoIP, PoE+.
Patchcord with moulded boot in matching cable color.
Pin assignment 1:1.

LSA | S/FTP | Cat. 6_A | 10GB | LS0H | 9

DESCRIPTION	AVAILABLE	ORDER NO.
Grey		
Patchcord RJ45 shielded Cat.6_A 10GB, LS0H, grey, 0.33m		**H6GTG00K3G**
Patchcord RJ45 shielded Cat.6_A 10GB, LS0H, grey, 0.5m		**H6GTG00K5G**
Patchcord RJ45 shielded Cat.6_A 10GB, LS0H, grey, 1.0m		**H6GTG01K0G**
Patchcord RJ45 shielded Cat.6_A 10GB, LS0H, grey, 2.0m		**H6GTG02K0G**
Patchcord RJ45 shielded Cat.6_A 10GB, LS0H, grey, 3.0m		**H6GTG03K0G**
Patchcord RJ45 shielded Cat.6_A 10GB, LS0H, grey, 5.0m		**H6GTG05K0G**
Patchcord RJ45 shielded Cat.6_A 10GB, LS0H, grey, 7.0m		**H6GTG07K0G**
Patchcord RJ45 shielded Cat.6_A 10GB, LS0H, grey, 10.0m		**H6GTG10K0G**
Patchcord RJ45 shielded Cat.6_A 10GB, LS0H, grey, 15.0m		**H6GTG15K0G**
Patchcord RJ45 shielded Cat.6_A 10GB, LS0H, grey, 20.0m		**H6GTG20K0G**
Patchcord RJ45 shielded Cat.6_A 10GB, LS0H, grey, 30.0m		**H6GTG30K0G**
Patchcord RJ45 shielded Cat.6_A 10GB, LS0H, grey, 50.0m		**H6GTG50K0G**

Patchcords RJ45 Shielded Cat.6_A

DESCRIPTION	AVAILABLE	ORDER NO.
Blue		
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, blue, 0.5m		H6GTB00K5B
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, blue, 1.0m		H6GTB01K0B
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, blue, 2.0m		H6GTB02K0B
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, blue, 3.0m		H6GTB03K0B
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, blue, 5.0m		H6GTB05K0B
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, blue, 7.0m		H6GTB07K0B
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, blue, 10.0m		H6GTB10K0B
Red		
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, red, 0.5m		H6GTR00K5R
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, red, 1.0m		H6GTR01K0R
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, red, 2.0m		H6GTR02K0R
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, red, 3.0m		H6GTR03K0R
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, red, 5.0m		H6GTR05K0R
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, red, 7.0m		H6GTR07K0R
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, red, 10.0m		H6GTR10K0R
Yellow		
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, yellow, 0.5m		H6GTY00K5Y
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, yellow, 1.0m		H6GTY01K0Y
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, yellow, 2.0m		H6GTY02K0Y
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, yellow, 3.0m		H6GTY03K0Y
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, yellow, 5.0m		H6GTY05K0Y
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, yellow, 7.0m		H6GTY07K0Y
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, yellow, 10.0m		H6GTY10K0Y
Green		
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, green, 0.5m		H6GTU00K5U
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, green, 1.0m		H6GTU01K0U
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, green, 2.0m		H6GTU02K0U
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, green, 3.0m		H6GTU03K0U
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, green, 5.0m		H6GTU05K0U
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, green, 7.0m		H6GTU07K0U
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, green, 10.0m		H6GTU10K0U
Orange		
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, orange, 0.5m		H6GTN00K5N
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, orange, 1.0m		H6GTN01K0N
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, orange, 2.0m		H6GTN02K0N
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, orange, 3.0m		H6GTN03K0N
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, orange, 5.0m		H6GTN05K0N
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, orange, 7.0m		H6GTN07K0N
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, orange, 10.0m		H6GTN10K0N
Ericaviolet		
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, erikaviolet, 0.5m		H6GTV00K5V
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, erikaviolet, 1.0m		H6GTV01K0V
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, erikaviolet, 2.0m		H6GTV02K0V
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, erikaviolet, 3.0m		H6GTV03K0V
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, erikaviolet, 5.0m		H6GTV05K0V
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, erikaviolet, 7.0m		H6GTV07K0V

Patchcords RJ45 Shielded Cat.6_A

DESCRIPTION	AVAILABLE	ORDER NO.
Ericaviolet		
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, erikaviolet, 10.0m		**H6GTV10K0V**
Black		
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, black, 0.5m		**H6GTS00K5S**
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, black, 1.0m		**H6GTS01K0S**
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, black, 2.0m		**H6GTS02K0S**
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, black, 3.0m		**H6GTS03K0S**
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, black, 5.0m		**H6GTS05K0S**
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, black, 7.0m		**H6GTS07K0S**
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, black, 10.0m		**H6GTS10K0S**
White		
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, white, 0.5m		**H6GTW00K5W**
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, white, 1.0m		**H6GTW01K0W**
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, white, 2.0m		**H6GTW02K0W**
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, white, 3.0m		**H6GTW03K0W**
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, white, 5.0m		**H6GTW05K0W**
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, white, 7.0m		**H6GTW07K0W**
Patchcord RJ45 shielded Cat.6_A 10GB, LSOH, white, 10.0m		**H6GTW10K0W**

SLIM Patchcords U/FTP Cat.6_A, AWG32, LS0H



H6GYG00K1B



H6GYG00K1B

Schrack-Info

Patchcords for generic, structured network cabling systems.
Support all applications requiring Class D to Class E_A (e.g. 100Base-TX, ATM) as well as 10GBase-T, 1000Base-T and VoIP, 4PPoE.
Grey Patchcord with moulded boot in the color blue.

- Short booth particularly suitable for IP cameras, IP telephones, etc.
- Thin cable diameter: just 3,9 ± 0,2mm
- Pin assignment: 1:1
- Wire: AWG32/7
- 4PPoE 100W capable up to 9m
- Environmental friendly packaging with paper loop saves 80% plastics

LSA | SLIM | U/FTP | Cat. 6_A | LS0H | 1

DESCRIPTION	AVAILABLE	ORDER NO.
Grey		
SLIM Patchcords Round U/FTP Cat.6_A, 4PPoE 100W, AWG32, LS0H, grey, 0,15m		**H6GYG00K1B**
SLIM Patchcords Round U/FTP Cat.6_A, 4PPoE 100W, AWG32, LS0H, grey, 0,35m		**H6GYG00K3B**
SLIM Patchcords Round U/FTP Cat.6_A, 4PPoE 100W, AWG32, LS0H, grey, 0,5m		**H6GYG00K5B**
SLIM Patchcords Round U/FTP Cat.6_A, 4PPoE 100W, AWG32, LS0H, grey, 1,0m		**H6GYG01K0B**
SLIM Patchcords Round U/FTP Cat.6_A, 4PPoE 100W, AWG32, LS0H, grey, 2,0m		**H6GYG02K0B**
SLIM Patchcords Round U/FTP Cat.6_A, 4PPoE 100W, AWG32, LS0H, grey, 3,0m		**H6GYG03K0B**
SLIM Patchcords Round U/FTP Cat.6_A, 4PPoE 100W, AWG32, LS0H, grey, 5,0m		**H6GYG05K0B**

Patchcord RJ45 Shielded Cat.6


H6GLG02K0G


H6GLG02K0G


H6GLB02K0B


H6GLR02K0R


H6GLY02K0Y


H6GLU02K0U

Schrack-Info

Patchcords for generic, structured network cabling systems.
Support all applications requiring Class D to Class E (e.g. 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.
Patchcord with moulded boot in matching cable color.
Pin assignment 1:1.



DESCRIPTION	AVAILABLE	ORDER NO.
Grey		
RJ45 patchcord Cat.6A shielded PVC, grey, 0.5 m		H6GLG00K5G
Patchcord RJ45 shielded Cat.6, PVC, grey, 1.0m		H6GLG01K0G
Patchcord RJ45 shielded Cat.6, PVC, grey, 2.0m		H6GLG02K0G
Patchcord RJ45 shielded Cat.6, PVC, grey, 3.0m		H6GLG03K0G
Patchcord RJ45 shielded Cat.6, PVC, grey, 5.0m		H6GLG05K0G
Patchcord RJ45 shielded Cat.6, PVC, grey, 7.0m		H6GLG07K0G
Patchcord RJ45 shielded Cat.6, PVC, grey, 10.0m		H6GLG10K0G
Patchcord RJ45 shielded Cat.6, PVC, grey, 15.0m		H6GLG15K0G
Patchcord RJ45 shielded Cat.6, PVC, grey, 20.0m		H6GLG20K0G
Blue		
RJ45 patchcord Cat.6A shielded PVC, blue, 0.5 m		H6GLB00K5B
Patchcord RJ45 shielded Cat.6, PVC, blue, 1.0m		H6GLB01K0B
Patchcord RJ45 shielded Cat.6, PVC, blue, 2.0m		H6GLB02K0B
Patchcord RJ45 shielded Cat.6, PVC, blue, 3.0m		H6GLB03K0B
Patchcord RJ45 shielded Cat.6, PVC, blue, 5.0m		H6GLB05K0B
Patchcord RJ45 shielded Cat.6, PVC, blue, 10.0m		H6GLB10K0B
Red		
RJ45 patchcord Cat.6A shielded PVC, red, 0.5 m		H6GLR00K5R
Patchcord RJ45 shielded Cat.6, PVC, red, 1.0m		H6GLR01K0R
Patchcord RJ45 shielded Cat.6, PVC, red, 2.0m		H6GLR02K0R
Patchcord RJ45 shielded Cat.6, PVC, red, 3.0m		H6GLR03K0R
Patchcord RJ45 shielded Cat.6, PVC, red, 5.0m		H6GLR05K0R
Patchcord RJ45 shielded Cat.6, PVC, red, 10.0m		H6GLR10K0R

Patchcord RJ45 Shielded Cat.6

DESCRIPTION	AVAILABLE	ORDER NO.
Yellow		
Patchcord RJ45 shielded Cat.6, PVC, yellow, 0.5m		**H6GLY00K5Y**
Patchcord RJ45 shielded Cat.6, PVC, yellow, 1.0m		**H6GLY01K0Y**
Patchcord RJ45 shielded Cat.6, PVC, yellow, 2.0m		**H6GLY02K0Y**
Patchcord RJ45 shielded Cat.6, PVC, yellow, 3.0m		**H6GLY03K0Y**
Patchcord RJ45 shielded Cat.6, PVC, yellow, 5.0m		**H6GLY05K0Y**
Patchcord RJ45 shielded Cat.6, PVC, yellow, 10.0m		**H6GLY10K0Y**
Green		
Patchcord RJ45 shielded Cat.6, PVC, green, 0.5m		**H6GLU00K5U**
Patchcord RJ45 shielded Cat.6, PVC, green, 1.0m		**H6GLU01K0U**
Patchcord RJ45 shielded Cat.6, PVC, green, 2.0m		**H6GLU02K0U**
Patchcord RJ45 shielded Cat.6, PVC, green, 3.0m		**H6GLU03K0U**
Patchcord RJ45 shielded Cat.6, PVC, green, 5.0m		**H6GLU05K0U**
Patchcord RJ45 shielded Cat.6, PVC, green, 10.0m		**H6GLU10K0U**

Patchcord RJ45 Shielded Cat.5e


H5GLG02K0G


H5GLG02K0G


H5GLB02K0B


H5GLR02K0R


H5GLY02K0Y


H5GLU02K0U

Schrack-Info

Patchcords for generic, structured network cabling systems.
Support all applications requiring Class D (e.g. 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.
Patchcord with moulded boot in matching cable color.
Pin assignment 1:1.

LSA | SF/UTP | Cat. 5e | PVC | 5

DESCRIPTION	AVAILABLE	ORDER NO.
Grey		
Patchcord RJ45 shielded Cat.5e, PVC, grey, 0.5m		**H5GLG00K5G**
Patchcord RJ45 shielded Cat.5e, PVC, grey, 1.0m		**H5GLG01K0G**
Patchcord RJ45 shielded Cat.5e, PVC, grey, 2.0m		**H5GLG02K0G**
Patchcord RJ45 shielded Cat.5e, PVC, grey, 3.0m		**H5GLG03K0G**
Patchcord RJ45 shielded Cat.5e, PVC, grey, 5.0m		**H5GLG05K0G**
Patchcord RJ45 shielded Cat.5e, PVC, grey, 7.0m		**H5GLG07K0G**
Patchcord RJ45 shielded Cat.5e, PVC, grey, 10.0m		**H5GLG10K0G**
Patchcord RJ45 shielded Cat.5e, PVC, grey, 15.0m		**H5GLG15K0G**
Patchcord RJ45 shielded Cat.5e, PVC, grey, 20.0m		**H5GLG20K0G**
Blue		
Patchcord RJ45 shielded Cat.5e, PVC, blue, 0.5m		**H5GLB00K5B**
Patchcord RJ45 shielded Cat.5e, PVC, blue, 1.0m		**H5GLB01K0B**
Patchcord RJ45 shielded Cat.5e, PVC, blue, 2.0m		**H5GLB02K0B**
Patchcord RJ45 shielded Cat.5e, PVC, blue, 3.0m		**H5GLB03K0B**
Patchcord RJ45 shielded Cat.5e, PVC, blue, 5.0m		**H5GLB05K0B**
Patchcord RJ45 shielded Cat.5e, PVC, blue, 7.0m		**H5GLB07K0B**
Patchcord RJ45 shielded Cat.5e, PVC, blue, 10.0m		**H5GLB10K0B**
Red		
Patchcord RJ45 shielded Cat.5e, PVC, red, 0.5m		**H5GLR00K5R**
Patchcord RJ45 shielded Cat.5e, PVC, red, 1.0m		**H5GLR01K0R**
Patchcord RJ45 shielded Cat.5e, PVC, red, 2.0m		**H5GLR02K0R**
Patchcord RJ45 shielded Cat.5e, PVC, red, 3.0m		**H5GLR03K0R**
Patchcord RJ45 shielded Cat.5e, PVC, red, 5.0m		**H5GLR05K0R**
Patchcord RJ45 shielded Cat.5e, PVC, red, 7.0m		**H5GLR07K0R**
Patchcord RJ45 shielded Cat.5e, PVC, red, 10.0m		**H5GLR10K0R**
Yellow		
Patchcord RJ45 shielded Cat.5e, PVC, yellow, 0.5m		**H5GLY00K5Y**
Patchcord RJ45 shielded Cat.5e, PVC, yellow, 1.0m		**H5GLY01K0Y**

Patchcord RJ45 Shielded Cat.5e

DESCRIPTION	AVAILABLE	ORDER NO.
Yellow		
Patchcord RJ45 shielded Cat.5e, PVC, yellow, 2.0m		**H5GLY02K0Y**
Patchcord RJ45 shielded Cat.5e, PVC, yellow, 3.0m		**H5GLY03K0Y**
Patchcord RJ45 shielded Cat.5e, PVC, yellow, 5.0m		**H5GLY05K0Y**
Patchcord RJ45 shielded Cat.5e, PVC, yellow, 7.0m		**H5GLY07K0Y**
Patchcord RJ45 shielded Cat.5e, PVC, yellow, 10.0m		**H5GLY10K0Y**
Green		
Patchcord RJ45 shielded Cat.5e, PVC, green, 0.5m		**H5GLU00K5U**
Patchcord RJ45 shielded Cat.5e, PVC, green, 1.0m		**H5GLU01K0U**
Patchcord RJ45 shielded Cat.5e, PVC, green, 2.0m		**H5GLU02K0U**
Patchcord RJ45 shielded Cat.5e, PVC, green, 3.0m		**H5GLU03K0U**
Patchcord RJ45 shielded Cat.5e, PVC, green, 5.0m		**H5GLU05K0U**
Patchcord RJ45 shielded Cat.5e, PVC, green, 7.0m		**H5GLU07K0U**
Patchcord RJ45 shielded Cat.5e, PVC, green, 10.0m		**H5GLU10K0U**

Patchcord RJ45 Unshielded Cat.6


H6ULG02K0G


H6ULG02K0G


H6ULB02K0B


H6ULR02K0R


H6ULY02K0Y


H6ULU02K0U

Schrack-Info

Patchcords for generic, structured network cabling systems.
Support all applications requiring Class D to Class E (e.g. 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.
Patchcord with moulded boot in matching cable color.
Pin assignment 1:1.



DESCRIPTION	AVAILABLE	ORDER NO.
Grey		
Patchcord RJ45 unshielded Cat.6, PVC, grey, 0.5m		**H6ULG00K5G**
Patchcord RJ45 unshielded Cat.6, PVC, grey, 1.0m		**H6ULG01K0G**
Patchcord RJ45 unshielded Cat.6, PVC, grey, 2.0m		**H6ULG02K0G**
Patchcord RJ45 unshielded Cat.6, PVC, grey, 3.0m		**H6ULG03K0G**
Patchcord RJ45 unshielded Cat.6, PVC, grey, 5.0m		**H6ULG05K0G**
Patchcord RJ45 unshielded Cat.6, PVC, grey, 7.0m		**H6ULG07K0G**
Patchcord RJ45 unshielded Cat.6, PVC, grey, 10.0m		**H6ULG10K0G**
Patchcord RJ45 unshielded Cat.6, PVC, grey, 15.0m		**H6ULG15K0G**
Patchcord RJ45 unshielded Cat.6, PVC, grey, 20.0m		**H6ULG20K0G**
Blue		
Patchcord RJ45 unshielded Cat.6, PVC, blue, 1.0m		**H6ULB01K0B**
Patchcord RJ45 unshielded Cat.6, PVC, blue, 2.0m		**H6ULB02K0B**
Patchcord RJ45 unshielded Cat.6, PVC, blue, 3.0m		**H6ULB03K0B**
Patchcord RJ45 unshielded Cat.6, PVC, blue, 5.0m		**H6ULB05K0B**
Patchcord RJ45 unshielded Cat.6, PVC, blue, 10.0m		**H6ULB10K0B**
Red		
Patchcord RJ45 unshielded Cat.6, PVC, red, 1.0m		**H6ULR01K0R**
Patchcord RJ45 unshielded Cat.6, PVC, red, 2.0m		**H6ULR02K0R**
Patchcord RJ45 unshielded Cat.6, PVC, red, 3.0m		**H6ULR03K0R**
Patchcord RJ45 unshielded Cat.6, PVC, red, 5.0m		**H6ULR05K0R**
Patchcord RJ45 unshielded Cat.6, PVC, red, 10.0m		**H6ULR10K0R**

Patchcord RJ45 Unshielded Cat.6

DESCRIPTION	AVAILABLE	ORDER NO.
Yellow		
Patchcord RJ45 unshielded Cat.6, PVC, yellow, 1.0m		**H6ULY01K0Y**
Patchcord RJ45 unshielded Cat.6, PVC, yellow, 2.0m		**H6ULY02K0Y**
Patchcord RJ45 unshielded Cat.6, PVC, yellow, 3.0m		**H6ULY03K0Y**
Patchcord RJ45 unshielded Cat.6, PVC, yellow, 5.0m		**H6ULY05K0Y**
Patchcord RJ45 unshielded Cat.6, PVC, yellow, 10.0m		**H6ULY10K0Y**
Green		
Patchcord RJ45 unshielded Cat.6, PVC, green, 1.0m		**H6ULU01K0U**
Patchcord RJ45 unshielded Cat.6, PVC, green, 2.0m		**H6ULU02K0U**
Patchcord RJ45 unshielded Cat.6, PVC, green, 3.0m		**H6ULU03K0U**
Patchcord RJ45 unshielded Cat.6, PVC, green, 5.0m		**H6ULU05K0U**
Patchcord RJ45 unshielded Cat.6, PVC, green, 10.0m		**H6ULU10K0U**

Patchcord RJ45 Unshielded Cat.5e


H5ULG02K0G


H5ULG02K0G


H5ULB02K0B


H5ULR02K0R


H5ULY02K0Y


H5ULU02K0U

LSA | U/UTP | Cat. 5e | PVC | 5

Schrack-Info

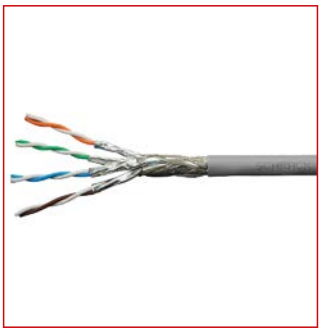
Patchcords for generic, structured network cabling systems.
Support all applications requiring Class D (e.g. 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.
Patchcord with moulded boot in matching cable color.
Pin assignment 1:1.

DESCRIPTION	AVAILABLE	ORDER NO.
Grey		
Patchcord RJ45 unshielded Cat.5e, PVC, grey, 0.5m		**H5ULG00K5G**
Patchcord RJ45 unshielded Cat.5e, PVC, grey, 1.0m		**H5ULG01K0G**
Patchcord RJ45 unshielded Cat.5e, PVC, grey, 2.0m		**H5ULG02K0G**
Patchcord RJ45 unshielded Cat.5e, PVC, grey, 3.0m		**H5ULG03K0G**
Patchcord RJ45 unshielded Cat.5e, PVC, grey, 5.0m		**H5ULG05K0G**
Patchcord RJ45 unshielded Cat.5e, PVC, grey, 7.0m		**H5ULG07K0G**
Patchcord RJ45 unshielded Cat.5e, PVC, grey, 10.0m		**H5ULG10K0G**
Patchcord RJ45 unshielded Cat.5e, PVC, grey, 15.0m		**H5ULG15K0G**
Patchcord RJ45 unshielded Cat.5e, PVC, grey, 20.0m		**H5ULG20K0G**
Blue		
Patchcord RJ45 unshielded Cat.5e, PVC, blue, 0.5m		**H5ULB00K5B**
Patchcord RJ45 unshielded Cat.5e, PVC, blue, 1.0m		**H5ULB01K0B**
Patchcord RJ45 unshielded Cat.5e, PVC, blue, 2.0m		**H5ULB02K0B**
Patchcord RJ45 unshielded Cat.5e, PVC, blue, 3.0m		**H5ULB03K0B**
Patchcord RJ45 unshielded Cat.5e, PVC, blue, 5.0m		**H5ULB05K0B**
Patchcord RJ45 unshielded Cat.5e, PVC, blue, 10.0m		**H5ULB10K0B**
Red		
Patchcord RJ45 unshielded Cat.5e, PVC, red, 0.5m		**H5ULR00K5R**
Patchcord RJ45 unshielded Cat.5e, PVC, red, 1.0m		**H5ULR01K0R**
Patchcord RJ45 unshielded Cat.5e, PVC, red, 2.0m		**H5ULR02K0R**
Patchcord RJ45 unshielded Cat.5e, PVC, red, 3.0m		**H5ULR03K0R**
Patchcord RJ45 unshielded Cat.5e, PVC, red, 5.0m		**H5ULR05K0R**
Patchcord RJ45 unshielded Cat.5e, PVC, red, 10.0m		**H5ULR10K0R**

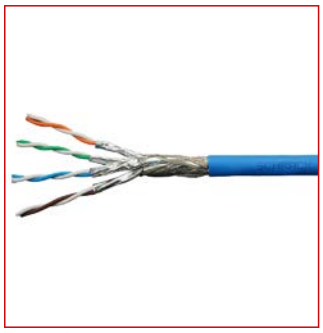
Patchcord RJ45 Unshielded Cat.5e

DESCRIPTION	AVAILABLE	ORDER NO.
Yellow		
Patchcord RJ45 unshielded Cat.5e, PVC, yellow, 0.5m		**H5ULY00K5Y**
Patchcord RJ45 unshielded Cat.5e, PVC, yellow, 1.0m		**H5ULY01K0Y**
Patchcord RJ45 unshielded Cat.5e, PVC, yellow, 2.0m		**H5ULY02K0Y**
Patchcord RJ45 unshielded Cat.5e, PVC, yellow, 3.0m		**H5ULY03K0Y**
Patchcord RJ45 unshielded Cat.5e, PVC, yellow, 5.0m		**H5ULY05K0Y**
Patchcord RJ45 unshielded Cat.5e, PVC, yellow, 10.0m		**H5ULY10K0Y**
Green		
Patchcord RJ45 unshielded Cat.5e, PVC, green, 0.5m		**H5ULU00K5U**
Patchcord RJ45 unshielded Cat.5e, PVC, green, 1.0m		**H5ULU01K0U**
Patchcord RJ45 unshielded Cat.5e, PVC, green, 2.0m		**H5ULU02K0U**
Patchcord RJ45 unshielded Cat.5e, PVC, green, 3.0m		**H5ULU03K0U**
Patchcord RJ45 unshielded Cat.5e, PVC, green, 5.0m		**H5ULU05K0U**
Patchcord RJ45 unshielded Cat.5e, PVC, green, 10.0m		**H5ULU10K0U**

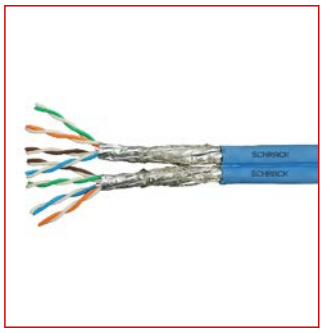
Installationcables S/FTP Cat.7_A 1250MHz 50% Braid-coverage LS0H-3



HSEKP422HG



HSEKP422HB



HSEKP822HB

Schrack-Info

Installationcables for generic, structured network cabling systems. Support all applications requiring Class D to Class F_A (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

Due to the cable construction and the high braid coverage, the cable reaches the coupling attenuation (Type I) of ≥ 85 dB.

LSA | S/FTP | Cat. 7_A | 10GB | 25GB | LS0H-3 | $B2_{ca}$ | C_{ca}

Technical Data

Standards:	IEC 11801, EN 50173-1 Cat.7_A acc. to IEC 61156-5, EN 50288-9-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG22/1 (0.64mm)
Insulation material:	Foamed Polyethylen
Nominal diameter over insulation:	1.54mm
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Solid, tinned copper, Coverage = 50%
Jacket:	LS0H-3, FRNC acc. to IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-3-24, EN 60332-3-24
Reaction to fire:	Simplex: B2ca, s1a, d1, a1 Duplex: Cca, s1, d1, a1
Outside diameter:	Simplex: 8.1mm, Duplex: 8.1mm x 17.5mm
Jacket color:	Blue RAL5015, Grey RAL7032
Temperature range during operation, storage:	-30°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 4 x D, Duplex: 4 x D (flat side)
Min. bend radius during installation:	Simplex: 8 x D, Duplex: 8 x D (flat side)
Max. pulling strength:	Simplex: 110N, Duplex: 220N
Burning load:	Simplex: 700kJ/m, Duplex: 1400kJ/m
Total cable weight:	Simplex: 65kg/km, Duplex: 130kg/km
NVP (Nominal velocity of propagation):	0.73c

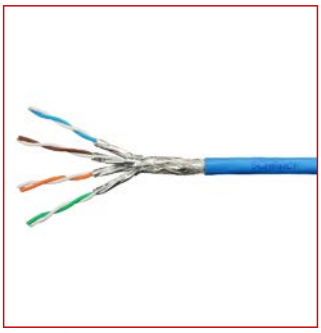
Installationcables S/FTP Cat.7_A 1250MHz 50% Braid-coverage LS0H-3

Electrical Characteristics at 20°C according to IEC 61156-5

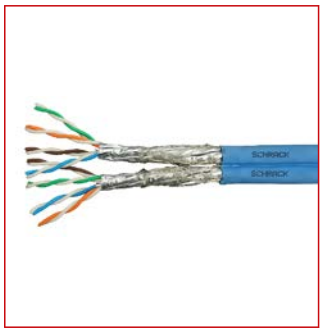
	Freq. (MHz)	Specification	Unit
NVP (Nominal velocity of propagation)	4 – 1000	0.73	c
Skew	4 – 1000	≤ 25	ns/100m
Propagation delay	4 – 1000	≤ 534 + 36/Vf	ns/100m
Attenuation	5 – 1000	≤ 1.8*Vf+0.005*f+0.25/Vf	dB
TCL, level 1 (Transverse conversion loss)	1 – 250	> 40 –10*log (f)	dB
ELTCL (Equal level transverse conversion loss)	1 – 30	> 35 – 20*log (f)	dB
NEXT (Near end cross talk)	4 – 1000	≥ 106-15*log (f) (78 max.)	dB
PS NEXT (Power sum near end cross talk)	4 – 1000	≥ 103-15*log (f) (75 max.)	dB
ACR-N (Attenuation cross talk ratio)	4 – 1000	NEXT – Dämpfung	dB
PS ACR-N (Power sum attenuation cross talk ratio)	4 – 1000	PSNEXT – Dämpfung	dB
ACR-F (Equal level far end cross talk)	4 – 1000	≥ 95.3-20*log (f) (78 max.)	dB
PS ACR-F (Power sum equal level far end cross talk)	4 – 1000	≥ 92.3-20*log (f) (75 max.)	dB
PS ANEXT (Power sum alien near end cross talk)	4 – 1000	≥ 107.5-15*log (f) (67 min.)	dB
PS AACR-F (Power sum alien far end cross talk)	4 – 1000	≥ 92.3-20*log (f) (67 min.)	dB
Input impedance open / short (Zo/s)	4 – 1000	100	Ω
RL (Return loss)	4 ≤ f ≤ 10	≥ 20 + 5*log (f)	dB
	10 ≤ f ≤ 20	≥ 25	dB
	20 ≤ f ≤ 600	≥ 25-7*log (f/20) (17.3 min.)	dB
	600 ≤ f ≤ 1000	≥ 17.3-10*log (f/600)	dB
Coupling attenuation (type I)	30 – 100	≥ 85	dB
	100 – 1000	≥ 85-20*log (f/100)	dB
Transfer impedance (ZT, grade 1)	1	< 10	mΩ/m
	10	< 10	mΩ/m
	30	< 30	mΩ/m
	100	< 100	mΩ/m

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
S/FTP Cable Cat.7_A, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, blue, Sale per meter	35,00kg/km		**HSEKP422HB**
S/FTP Cable Cat.7_A, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, blue, Drum 1000m	35,00kg/km		**HSKP422HB1**
S/FTP Cable Cat.7_A, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, blue, Drum 500m	35,00kg/km		**HSKP422HB5**
S/FTP Cable Cat.7_A, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, blue, Drum 100m	35,00kg/km		HSKP422HB9
S/FTP Cable Cat.7_A, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, grey, Sale per meter	35,00kg/km		**HSEKP422HG**
S/FTP Cable Cat.7_A, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, grey, Drum 1000m	35,00kg/km		**HSKP422HG1**
S/FTP Cable Cat.7_A, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, grey, Drum 500m	35,00kg/km		**HSKP422HG5**
S/FTP Cable Cat.7_A, 4x2xAWG22/1, 1.250MHz, LS0H-3 B2ca-s1a-d1-a1, 50%, grey, Drum 100m	35,00kg/km		HSKP422HG9
S/FTP Cable Cat.7_A, 2x(4x2xAWG22/1),1.250MHz,LS0H-3 Cca-s1-d1-a1, 50%, blue, Sale per meter	70,00kg/km		**HSEKP822HB**
S/FTP Cable Cat.7_A, 2x(4x2xAWG22/1),1.250MHz,LS0H-3 Cca-s1-d1-a1, 50%, blue, Drum 500m	70,00kg/km		**HSKP822HB5**
S/FTP Cable Cat.7_A, 2x(4x2xAWG22/1),1.250MHz,LS0H-3 Cca-s1-d1-a1, 50%, blue, Drum 100m	70,00kg/km		HSKP822HB9

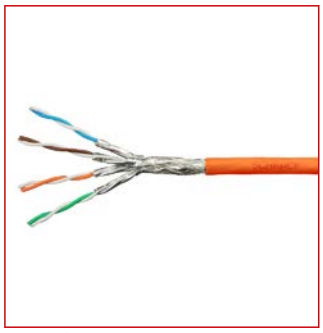
Installation Cables S/FTP Cat.7 1000MHz 30% Braid-coverage LS0H B2ca



HSEKP423BB



HSEKP823BB



HSEKP423BN

Schrack-Info

Installation cables for generic, structured network cabling systems.
Support all applications requiring Class D to Class F (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

LSA | S/FTP | Cat. 7 | 10GB | LS0H | $B2_{ca}$

Standards:	IEC 11801, EN 50173-1 Cat.7 acc. to IEC 61156-5, EN 50288-9-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG23/1 (0.58mm)
Insulation material:	Foamed Polyethylene
Nominal diameter over insulation:	1.45mm
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Solid, tinned copper, Coverage = 30%
Jacket:	LS0H, FRNC acc. to IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-1, EN 60332-1
Reaction to fire:	Simplex: B2ca, s1a, d1, a1 Duplex: B2ca, s1a, d1, a1
Outside diameter:	Simplex: 7.2mm , Duplex: 7.2mm x 16.0mm
Jacket color:	Blue RAL5015, Orange RAL2003
Temperature range during operation, storage:	-30°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 4 x D, Duplex: 4 x D (flat side)
Min. bend radius during installation:	Simplex: 8 x D, Duplex: 8 x D (flat side)
Max. pulling strength:	Simplex: 110N, Duplex: 220N
Burning load:	Simplex: 500kJ/m, Duplex: 1000kJ/m
Total cable weight:	Simplex: 52kg/km, Duplex: 109kg/km
NVP (Nominal velocity of propagation):	0.78c

Installation Cables S/FTP Cat.7 1000MHz 30% Braid-coverage LS0H B2ca

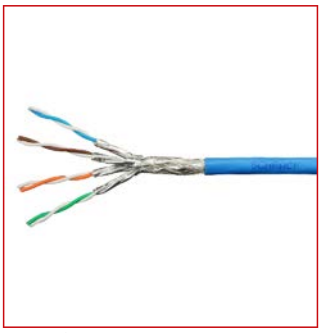
Electrical Characteristics at 20°C according to IEC 61156-5

Frequency	1	4	10	16	31,2	62,5	100	125	200	250	300	600	1000	MHz
Attenuation	2	3.7	5.9	7.4	10.4	14.9	19	21.4	27.5	31.0	34.2	50.1	66.9	dB/100m
NEXT	78	78	78	78	78	75.5	72.4	70.9	67.9	66.4	65.2	60.7	57.4	dB/100m
PS NEXT	75	75	75	75	75	72.5	69.4	67.9	64.9	63.4	62.2	57.7	54.4	dB/100m
ACR-N	76.0	74.3	72.1	70.6	67.6	60.6	53.4	49.6	40.4	35.5	40.4	10.6	-9.5	dB/100m
PS ACR-N	73	71.3	69.1	67.6	64.6	57.6	50.4	46.6	37.4	32.5	28.1	7.6	-12.5	dB/100m
ACR-F	78	78	75.3	71.2	65.4	59.4	55.3	53.4	49.3	47.3	45.8	39.7	35.3	dB/100m
PS ACR-F	75	75	72.3	68.2	62.4	56.4	52.3	50.4	46.3	44.3	42.8	36.7	32.3	dB/100m
RL	20	23	25	25	23.6	21.5	20.1	19.4	18	17.3	17.3	17.3	17.3	dB/100m

* Limits below 4 MHz and at 1000 MHz are informative.

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.00MHz, LS0H B2ca-s1a-d1-a1, 30%, blue, , Sale per meter	25,50kg/km		**HSEKP423BB**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H B2ca-s1a-d1-a1, 30%, blue, Drum 1000m	25,50kg/km		**HSKP423BB1**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H B2ca-s1a-d1-a1, 30%, blue, Drum 500m	25,50kg/km		**HSKP423BB5**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.00MHz, LS0H B2ca-s1a-d1-a1, 30%, orange, Sale per meter	25,50kg/km		**HSEKP423BN**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H B2ca-s1a-d1-a1, 30%, orange, Drum 1000m	25,50kg/km		HSKP423BN1
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H B2ca-s1a-d1-a1, 30%, orange, Drum 500m	25,50kg/km		**HSKP423BN5**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H B2ca-s1a-d1-a1, 30%, blue, Sale per meter	51,00kg/km		**HSEKP823BB**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H B2ca-s1a-d1-a1, 30%, blue, Drum 500m	51,00kg/km		**HSKP823BB5**

Installation Cables S/FTP Cat.7 1000MHz 40% Braid-coverage LS0H Dca


HSEKP423HB


HSEKP823HB


HVSKP423H0

Schrack-Info

Installation cables for generic, structured network cabling systems.
Support all applications requiring Class D to Class F (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

LSA | S/FTP | Cat. 7 | 10GB | LS0H | D_{ca}

Standards:	IEC 11801, EN 50173-1 Cat.7 acc. IEC 61156-5, EN 50288-4-1
Conductor:	Simplex: 4 individual shielded, twisted pair / Duplex: 2x4
Conductor material:	Solid bare copper AWG23/1 (0.58mm)
Insulation material:	Foamed Polyethylene
Nominal diameter over insulation:	1.45mm
Pair-Shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall Braid:	Solid, tinned copper, Coverage = 40%
Jacket:	LS0H, FRNC acc. to IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-1, EN 60332-1
Reaction to fire:	Simplex: Dca, s2, d1, a1 Duplex: Dca, s2, d2, a1
Outside diameter:	Simplex: 7.2mm, Duplex: 7.2mm x 16.0mm
Jacket color:	Blue RAL5015, White
Temperature range during operation, storage:	-30°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 29mm, Duplex: 29mm (flat side)
Min. bend radius during installation:	Simplex: 58mm, Duplex: 58mm (flat side)
Max. pulling strength:	Simplex: 110N, Duplex: 220N
Burning load:	Simplex: 500kJ/m, Duplex: 1000kJ/m
Total cable weight:	Simplex: 53kg/km, Duplex: 111kg/km
NVP (Nominal velocity of propagation)	0.78c

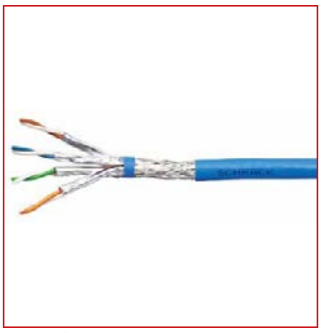
Installation Cables S/FTP Cat.7 1000MHz 40% Braid-coverage LS0H Dca

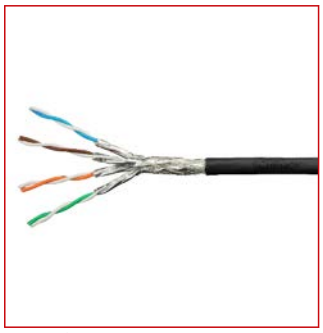
Electrical Characteristics at 20°C according to IEC 61156-5

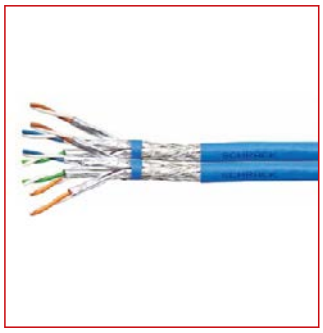
	Freq. (MHz)	Specification	Unit
NVP (Nominal velocity of propagation)	4 – 600	0.78	c
Skew	4 – 600	≤ 25	ns/100m
Propagation delay	4 – 600	≤ 534 + 36/Vf	ns/100m
Attenuation	4 – 600	≤ 1.8*Vf+0.01*f+0.20/Vf	dB
TCL, level 1 (Transverse conversion loss)	1 – 250	> 40 –10*log (f)	dB
ELTCL (Equal level transverse conversion loss)	1 – 30	> 35 – 20*log (f)	dB
NEXT (Near end cross talk)	4 – 600	≥ 102.4-15*log (f) (78 max.)	dB
PS NEXT (Power sum near end cross talk)	4 – 600	≥ 99.4-15*log (f) (75 max.)	dB
ACR-N (Attenuation cross talk ratio)	4 – 600	NEXT – Dämpfung	dB
PS ACR-N (Power sum attenuation cross talk ratio)	4 – 600	PSNEXT – Dämpfung	dB
ACR-F (Equal level far end cross talk)	4 – 600	≥ 95.3-20*log (f) (78 max.)	dB
PS ACR-F (Power sum equal level far end cross talk)	4 – 600	≥ 92.3-20*log (f) (75 max.)	dB
Input impedance open / short (Zo/s)	4 – 600	100	Ω
RL (Return loss)	4 ≤ f ≤ 10 10 ≤ f ≤ 20 20 ≤ f ≤ 600	≥ 20 + 5*log (f) ≥ 25 ≥ 25-7*log (f/20)	dB dB dB
Coupling attenuation (type I)	30 – 100 100 – 1000	≥ 85 ≥ 85-20*log (f/100)	dB dB
Transfer impedance (ZT, grade 1)	1 10 30 100	< 10 < 10 < 30 < 100	mΩ/m mΩ/m mΩ/m mΩ/m

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 40%, blue, Sale per meter	28,00kg/km		**HSEKP423HB**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 40%, blue, Drum 1000m	28,00kg/km		**HSKP423HB1**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 40%, blue, Drum 500m	28,00kg/km		**HSKP423HB5**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 40%, blue, Box 100m	28,00kg/km		**HSKP423HB9**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000Mhz, LS0H Dca-s2-d1-a1, 40%, white, RAL9010, Sale per meter	28,00kg/km		**HVSKP423H0**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000Mhz, LS0H Dca-s2-d1-a1, 40%, white, RAL9010, Drum 1000m	28,00kg/km		**HVKP423H01**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000Mhz, LS0H Dca-s2-d1-a1, 40%, white, RAL9010, Drum 500m	28,00kg/km		**HVKP423H05**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H Dca-s2-d2-a1, 40%, blue, Sale per meter	56,00kg/km		**HSEKP823HB**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H Dca-s2-d2-a1, 40%, blue, Drum 500m	56,00kg/km		**HSKP823HB5**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H Dca-s2-d2-a1, 40%, blue, Drum 100m	56,00kg/km		HSKP823HB9

Installation Cables S/FTP Cat.7 1000MHz 30% Braid-coverage LS0H-3 Dca


HSEKP4233K


HSEKP4233S


HSEKP8233K

Schrack-Info

Installation cables for generic, structured network cabling systems.
Support all applications requiring Class D to Class F (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

LSA | S/FTP | Cat. 7 | 10GB | LS0H-3 | D_{ca}

Standards:	IEC 11801, EN 50173-1 Cat.7 acc. to IEC 61156-5, EN 50288-4-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG23/1 (0.58mm)
Insulation material:	Foamed Polyethylene
Nominal diameter over insulation:	1.5mm
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Solid, tinned copper, Coverage = 30%
Jacket:	LS0H-3, FRNC acc. to IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-3-24, EN 60332-3-24
Reaction to fire:	Simplex: Dca, s1, d2, a1 Duplex: Dca, s1, d2, a1
Outside diameter:	Simplex: 7.4mm, Duplex: 7.5mm x 15.2mm
Jacket color:	Blue RAL5015, Black RAL9005
Temperature range during operation, storage:	-20°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 4 x D, Duplex: 4 x D (flat side)
Min. bend radius during installation:	Simplex: 8 x D, Duplex: 8 x D (flat side)
Max. pulling strength:	Simplex: 110N, Duplex: 220N
Burning load:	Simplex: 600kJ/m, Duplex: 1200kJ/m
Total cable weight:	Simplex: 57kg/km, Duplex: 117kg/km
NVP (Nominal velocity of propagation):	0.79c

Installation Cables S/FTP Cat.7 1000MHz 30% Braid-coverage LS0H-3 Dca

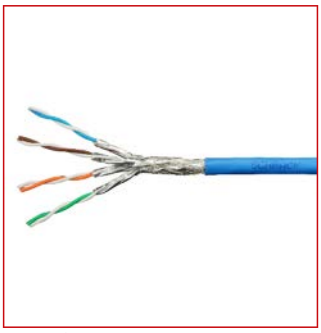
Electrical Characteristics at 20°C according to IEC 61156-5

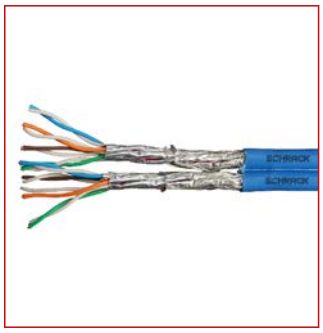
Frequency (MHz)	Attenuation (dB/100m)		NEXT (dB)		PS_NEXT (dB)		ACR (dB@100m)		PS_ACR (dB@100m)		EL_FEXT (dB@100m)		PS_ELFEXT (dB@100m)		RL (dB)	
	typ.	Cat.7 max.*	typ.	Cat.7 min.*	typ.	Cat.7 min.*	typ.	Cat.7 min.*	typ.	Cat.7 min.*	typ.	Cat.7 min.*	typ.	Cat.7 min.*	typ.	Cat.7 min.*
1	1.9	2	102	80	99	77	101	78	98	75	109	80	106	77	29	23
10	4.8	5.7	102	80	99	77	98	74	95	71	108	74	105	71	28	25
100	16.4	18.5	102	72	99	69	86	54	83	51	93	54	90	51	27	20.1
200	24.5	26.8	102	68	99	65	78	41	75	38	85	48	82	45	25	18
250	27.8	30.2	102	66	99	63	75	36	72	33	82	46	79	43	24	17.3
450	36.1	41.6	97	63	94	60	61	21	58	18	72	41	69	38	22	17.3
500	38.2	44.1	97	62	94	59	59	18	56	15	68	40	65	37	21	17.3
600	42.9	48.9	92	61	89	58	49	12	46	9	62	38	59	35	20	17.3
700	47.7	-	92	-	89	-	44	-	41	-	59	-	56	-	19	-
800	50.8	-	90	-	87	-	39	-	36	-	56	-	53	-	18	-
900	55.1	-	85	-	82	-	30	-	27	-	52	-	49	-	17	-
1000	58	-	80	-	77	-	22	-	19	-	42	-	39	-	15	-

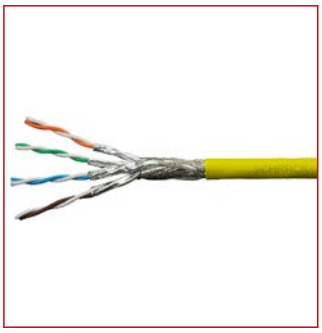
* Limits below 4 MHz and at 1000 MHz are informative.

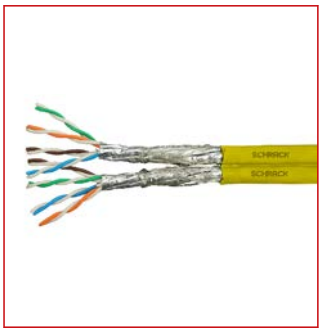
DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, blue, Sale per meter	25,50kg/km		**HSEKP4233K**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, blue, Drum 1000m	25,50kg/km		**HSKP4233K1**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, blue, Drum 500m	25,50kg/km		**HSKP4233K5**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, blue, Ring 100m	25,50kg/km		HSKP4233K9
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, black, Sale per meter	25,50kg/km		**HSEKP4233S**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, black, Drum 1000m	25,50kg/km		**HSKP4233S1**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, black, Drum 500m	25,50kg/km		**HSKP4233S5**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, black, Ring 100m	25,50kg/km		HSKP4233S9
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, blue, Sale per meter	51,00kg/km		**HSEKP8233K**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, blue, Drum 500m	51,00kg/km		**HSKP8233K5**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H-3 Dca-s1,d2,a1, 30%, blue, Ring 100m	51,00kg/km		HSKP8233K9

Installation Cables S/FTP Cat.7 1000MHz 30% Braid-coverage LS0H Dca


HSEKP423HP


HSEKP823HP


HSEKP423HY


HSEKP823HY

Schrack-Info

Installation cables for generic, structured network cabling systems.
Support all applications requiring Class D to Class F (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

LSA | S/FTP | Cat. 7 | 10GB | LS0H | D_{ca}

Standards:	IEC 11801, EN 50173-1 Cat.7 acc. to IEC 61156-5, EN 50288-4-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG23/1 (0.58mm)
Insulation material:	Foamed Polyethylene
Nominal diameter over insulation:	1.45mm
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Solid, tinned copper, Coverage = 30%
Jacket:	LS0H, FRNC acc. to IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-1, EN 60332-1
Reaction to fire:	Simplex: Dca, s2, d1, a1 Duplex: Dca, s1, d1, a1
Outside diameter:	Simplex: 7.2mm, Duplex: 7.2mm x 16.0mm
Jacket color:	Blue RAL5015, Yellow RAL1021
Temperature range during operation, storage:	-30°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 4 x D, Duplex: 4 x D (flat side)
Min. bend radius during installation:	Simplex: 8 x D, Duplex: 8 x D (flat side)
Max. pulling strength:	Simplex: 110N, Duplex: 220N
Burning load:	Simplex: 500kJ/m, Duplex: 1000kJ/m
Total cable weight:	Simplex: 52kg/km, Duplex: 109kg/km
NVP (Nominal velocity of propagation):	0.78c

Installation Cables S/FTP Cat.7 1000MHz 30% Braid-coverage LS0H Dca

Elektrische Eigenschaften bei 20°C nach IEC 61156-5

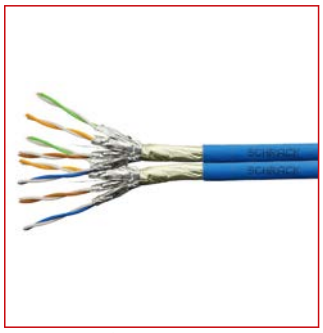
	Freq. (MHz)	Specification	Unit
NVP (Nominal velocity of propagation)	4 – 600	0.78	c
Skew	4 – 600	≤ 25	ns/100m
Propagation delay	4 – 600	≤ 534 + 36/Vf	ns/100m
Attenuation	4 – 600	≤ 1.8*Vf+0.01*f+0.20/Vf	dB
TCL, level 1 (Transverse conversion loss)	1 – 250	> 40 –10*log (f)	dB
ELTCL (Equal level transverse conversion loss)	1 – 30	> 35 – 20*log (f)	dB
NEXT (Near end cross talk)	4 – 600	≥ 102.4-15*log (f) (78 max.)	dB
PS NEXT (Power sum near end cross talk)	4 – 600	≥ 99.4-15*log (f) (75 max.)	dB
ACR-N (Attenuation cross talk ratio)	4 – 600	NEXT – Dämpfung	dB
PS ACR-N (Power sum attenuation cross talk ratio)	4 – 600	PSNEXT – Dämpfung	dB
ACR-F (Equal level far end cross talk)	4 – 600	≥ 95.3-20*log (f) (78 max.)	dB
PS ACR-F (Power sum equal level far end cross talk)	4 – 600	≥ 92.3-20*log (f) (75 max.)	dB
Input impedance open / short (Zo/s)	4 – 600	100	Ω
RL (Return loss)	4 ≤ f ≤ 10	≥ 20 + 5*log (f)	dB
	10 ≤ f ≤ 20	≥ 25	dB
	20 ≤ f ≤ 600	≥ 25-7*log (f/20)	dB
Coupling attenuation (type I)	30 – 100	≥ 55	dB
	100 – 1000	≥ 55-20*log (f/100)	dB
Transfer impedance (ZT, grade 1)	1	< 50	mΩ/m
	10	< 100	mΩ/m
	30	< 200	mΩ/m
	100	< 1000	mΩ/m

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 30%, blue, Sale per meter	25,50kg/km		**HSEKP423HP**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 30%, blue, Drum 1000m	25,50kg/km		**HSKP423HP1**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 30%, blue, Drum 500m	25,50kg/km		**HSKP423HP5**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 30%, blue, Box 100m	25,50kg/km		**HSKP423HP9**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 30%, yellow, Sale per meter	25,50kg/km		**HSEKP423HY**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 30%, yellow, Drum 500m	25,50kg/km		**HSKP423HY5**
S/FTP Cable Cat.7, 4x2xAWG23/1, 1.000MHz, LS0H Dca-s2-d1-a1, 30%, yellow, Box 100m	25,50kg/km		HSKP423HY9
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H Dca-s1-d1-a1, 30%, blue, Sale per meter	51,00kg/km		**HSEKP823HP**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H Dca-s1-d1-a1, 30%, blue, Drum 500m	51,00kg/km		**HSKP823HP5**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H Dca-s1-d1-a1, 30%, blue, Drum 100m	51,00kg/km		HSKP823HP9
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H Dca-s1-d1-a1, 30%, yellow, Sale per meter	51,00kg/km		**HSEKP823HY**
S/FTP Cable Cat.7, 2x(4x2xAWG23/1), 1.000MHz, LS0H Dca-s1-d1-a1, 30%, yellow, Drum 500m	51,00kg/km		**HSKP823HY5**

Installation Cables F/FTP Cat.6_A 500MHz LS0H-3 Dca



HSEKP423GA



HSEKP823GA

LSA | F/FTP | Cat. 6_A | 10GB | LS0H-3 | D_{ca}

Schrack-Info

Installation cables for generic, structured network cabling systems. Support all applications requiring Class D to Class E_A (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

Technische Tabelle

Standards:	IEC 11801, EN 50173-1 Cat.6_A acc. to IEC 61156-5, EN 50288-10-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG23/1 (0.56mm)
Insulation material:	Cell Polyethylene (PE)
Nominal diameter over insulation:	1.4mm
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Aluminum foil
Jacket:	LS0H-3, FRNC acc. to IEC 61034-2, EN 50268-2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-3-24, EN 60332-3-24
Reaction to fire:	Simplex: Dca, s2, d2, a1 Duplex: Dca, s2, d2, a1
Outside diameter:	Simplex: 6.8mm, Duplex: 6.8mm x 13.6mm
Jacket color:	Blue RAL5015
Temperature range during operation, storage:	-20°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 4 x D, Duplex: 4 x D (flat side)
Min. bend radius during installation:	Simplex: 8 x D, Duplex: 8 x D (flat side)
Max. pulling strength:	Simplex: 110N, Duplex: 220N
Burning load:	Simplex: 600kJ/m, Duplex: 1200kJ/m
Total cable weight:	Simplex: 49kg/km, Duplex: 98kg/km
NVP (Nominal velocity of propagation):	0.80c

Electrical Characteristics at 20°C according to IEC 61156-5

Frequency	**Attenuation**		**NEXT**		**PSNEXT**		**ACR-N**		**PSACR-N**		**ACR-F**		**PSACR-F**		**RL**	
MHz	**dB/100m**		**dB**		**dB**		**dB@100m**		**dB@100m**		**dB@100m**		**dB@100m**		**dB**	
	typ.	Cat. 6_A max.*	typ.	Cat. 6_A max.*	typ.	Cat. 6_A max.*	typ.	Cat. 6_A max.*	typ.	Cat. 6_A max.*	typ.	Cat. 6_A max.*	typ.	Cat. 6_A max.*	typ.	Cat. 6_A max.*
1	1.9	2.1	95	75.3	92	72.3	93	73.2	90	70.2	91	68.0	88	65.0	25.1	-
10	5.2	5.9	90	60.3	87	57.3	85	54.4	82	51.4	96	48.0	93	45.0	35.2	25.0
100	17.7	19.1	75	45.3	72	42.3	57	26.2	54	23.2	90	28.0	87	25.0	37.2	20.1
200	26.4	27.6	68	40.8	65	37.8	42	13.2	39	10.2	78	22.0	75	19.0	31.1	18.0
250	29.9	31.1	66	39.3	63	36.3	36	8.2	33	5.2	75	20.0	72	17.0	29.5	17.3
300	31.9	34.3	65	38.1	62	35.1	33	3.8	30	0,8	72	18.5	69	15.5	28.3	17.3
450	38.9	42.7	63	35.5	60	32.5	24	-7.2	21	-10.2	69	14.9	66	11.9	26.7	17.3
500	41.2	45.3	61	34.8	58	31.8	20	-10.5	17	-13.5	66	14.0	63	11.0	26.3	17.3

* Limits below 4 MHz are informative.

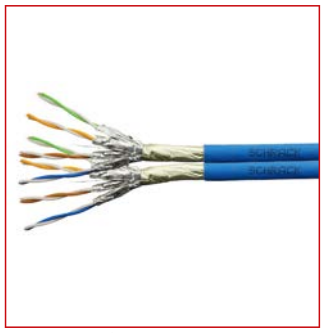
Installation Cables F/FTP Cat.6_A 500MHz LS0H-3 Dca

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
F/FTP cable Cat.6_A, 4x2xAWG23/1, 500 Mhz, LS0H-3 Dca-s1,d2,a1, blue, Sale per meter	20,00kg/km		**HSEKP423GA**
F/FTP cable Cat.6_A, 4x2xAWG23/1, 500 Mhz, LS0H-3 Dca-s1,d2,a1, blue, Drum 1000m	20,00kg/km		**HSKP423GA1**
F/FTP cable Cat.6_A, 4x2xAWG23/1, 500 Mhz, LS0H-3 Dca-s1,d2,a1, blue, Drum 500m	20,00kg/km		**HSKP423GA5**
F/FTP cable Cat.6_A, 4x2xAWG23/1, 500 Mhz, LS0H-3 Dca-s1,d2,a1, blue, Ring 100m	20,00kg/km		HSKP423GA9
F/FTP Cable Cat.6_A, 2x(4x2xAWG23/1), 500MHz, LS0H-3 Dca-s1,d2,a1, blue, Sale per meter	40,00kg/km		**HSEKP823GA**
F/FTP Cable Cat.6_A, 2x(4x2xAWG23/1), 500MHz, LS0H-3 Dca-s1,d2,a1, blue, Drum 500m	40,00kg/km		**HSKP823GA5**
F/FTP Cable Cat.6_A, 2x(4x2xAWG23/1), 500MHz, LS0H-3 Dca-s1,d2,a1, blue, Ring 100m	40,00kg/km		HSKP823GA9

Installationcables F/FTP Cat.6_A 500MHz LS0H-3 Dca



HSEKP423HA



HSEKP823HA

LSA | F/FTP | Cat. 6_A | 10GB | LS0H-3 | D_{ca}

Schrack-Info

Installation cables for generic, structured network cabling systems. Support all applications requiring Class D to Class E_A (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

Technical Data

Standards:	IEC 11801, EN 50173-1 Cat.6_A acc. to IEC 61156-5, EN 50288-10-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG23/1 (0.56mm)
Insulation material:	Cell Polyethylene (PE)
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Aluminium foil
Jacket:	LS0H-3, FRNC acc. to IEC 61034-2, EN 50268-2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-3-24, EN 60332-3-24
Reaction to fire:	Simplex: Dca-s2, d2, a1
	Duplex: Dca-s2, d2, a1
Outside diameter:	Simplex: 7.2mm, Duplex: 7.2mm x 15.0mm
Jacket color:	Blue, RAL5015
Temperature range during operation, storage:	-20°C bis +60°C
Temperature range during installation:	0°C bis +50°C
Min. bend radius during operation:	Simplex: 3 x D, Duplex: 3 x D (flat side)
Min. bend radius during installation:	Simplex: 7 x D, Duplex: 7 x D (flat side)
Max. pulling strength:	Simplex: 110N, Duplex: 220N
Burning load:	Simplex: 570kJ/m, Duplex: 1140kJ/m
Total cable weight:	Simplex: 48kg/km, Duplex: 96kg/km
NVP (Nominal velocity of propagation):	0.79c

Electrical Characteristics at 20°C according to IEC 61156-5

Frequency	1	10	16	20	31.25	62.5	100	250	500	MHz
Attenuation	2.1	5.9	7.5	8.4	10.5	15	19.1	31.1	45.3	dB/100m
NEXT	75.3	60.3	57.2	55.8	52.9	48.4	45.3	39.3	34.8	dB/100m
PS NEXT	72.3	57.3	54.2	52.8	49.9	45.4	42.3	36.3	31.8	dB/100m
ACR-F	68	48	43.9	42	38.1	32.1	28	20	14	dB/100m
PS ACR-F	65	45	40.9	39	35.1	29.1	25	17	11	dB/100m
ACR-N	73.2	54.4	49.8	47.4	42.4	33.4	26.2	8.3	-10.4	dB/100m

* Limits below 4 MHz are informative.

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
F/FTP cable Cat.6_A, 4x2xAWG23/1, 500 Mhz, LS0H-3 Dca-s2,d2,a1, blue, Sale per meter	20,00kg/km		**HSEKP423HA**
F/FTP cable Cat.6_A, 4x2xAWG23/1, 500MHz, LS0H-3 Dca-s2,d2,a1, blue, drum 1000m	20,00kg/km		**HSKP423HA1**
F/FTP cable Cat.6_A, 4x2xAWG23/1, 500 Mhz, LS0H-3 Dca-s2,d2,a1, blue, drum 500m	20,00kg/km		**HSKP423HA5**
F/FTP Cable Cat.6_A, 2x(4x2xAWG23/1), 500MHz, LS0H-3 Dca-s2,d2,a1, blue, Sale per meter	40,00kg/km		**HSEKP823HA**
F/FTP Cable Cat.6_A, 2x(4x2xAWG23/1), 500MHz, LS0H-3 Dca-s2,d2,a1, blue, drum 500m	40,00kg/km		**HSKP823HA5**

Installationcables U/FTP Cat.6_A 500MHz LS0H Dca



HSEKF423HB

Schrack-Info

Installationcables for generic, structured network cabling systems.
Support all applications requiring Class D to Class E_A (e.g. 10GBase-T, 1000Base-T, 100Base-TX, ATM) as well as VoIP, 4PPoE.

LSA | U/FTP | Cat. 6_A | 10GB | LS0H | D_{ca}

Technical Data

Standards:	IEC 11801, EN 50173-1 Cat.6_A acc. to IEC 61156-5, EN 50288-10-1
Conductor:	Simplex: 4 individual shielded twisted pairs / Duplex: 2x4
Conductor material:	Solid bare copper, AWG23/1
Insulation material:	Foamed Polyethylene
Nominal diameter over insulation:	1.32mm
Pair shield:	Aluminum-laminated polyester foil, metal side outside (PiMf)
Overall braid:	Aluminium foil
Jacket:	LS0H, FRNC acc. to IEC 61034-1/2, EN 50268-1/2 IEC 60754-1/2, EN 50267-1/2 IEC 60332-1, EN 60332-1
Reaction to fire:	Simplex: Dca, s2, d1, a1 Duplex: Dca, s2, d1, a1
Outside diameter:	Simplex: 6.9mm, Duplex: 6.9mm x 13.8mm
Jacket color:	Blue RAL5015
Temperature range during operation, storage:	-30°C to +60°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	Simplex: 4 x D, Duplex: 4 x D (flat side)
Min. bend radius during installation:	Simplex: 8 x D, Duplex: 8 x D (flat side)
Max. pulling strength:	Simplex: 79N, Duplex: 158N
Burning load:	Simplex: 515kJ/m, Duplex: 1030kJ/m
Total cable weight:	Simplex: 48kg/km, Duplex: 101kg/km
NVP (Nominal velocity of propagation):	0.77c

Electrical Characteristics at 20°C according to IEC 61156-5

Frequency	1	4	10	16	31.2	62.5	100	125	200	300	500	MHz
Attenuation	2.1	3.8	5.9	7.5	10.5	15	19.1	21.5	27.6	34.3	45.3	dB/100m
NEXT	75.3	66.3	60.3	57.2	52.9	48.4	45.3	43.8	40.8	38.1	34.8	dB/100m
PS NEXT	72.3	63.3	57.3	54.2	49.9	45.4	42.3	40.8	37.8	35.1	31.8	dB/100m
ACR	73.2	62.5	54.4	49.8	42.4	33.4	26.2	22.3	13.2	3.9	-10.4	dB/100m
PS ACR	70.2	59.5	51.4	46.8	39.4	30.4	23.2	19.3	10.2	0.9	-13.4	dB/100m
ACR-F	68	56	48	43.9	38.1	32.1	28	26.1	22	18.5	14	dB/100m
PS ACR-F	65	53	45	40.9	35.1	29.1	25	23.1	19	15.5	11	dB/100m
Return Loss	20	23	25	25	23.6	21.5	20.1	19.4	18	17.3	17.3	dB/100m
TCL level 1	40	34	30	28	25.1	22	20	19	17	-	-	dB/100m
EL TCTL	35	23	15	10.9	5.1	-	-	-	-	-	-	dB/100m
PS ANEXT	67	67	67	67	67	65.6	62.5	61	58	55.3	52	dB/100m
PS AACR-F	67	66.2	58.2	54.1	48.3	42.3	38.2	36.3	32.2	28.7	24.2	dB/100m
Propagation delay	570	552	545	543	540	539	538	537	536	536	536	dB/100m

* Limits below 4MHz are informative.

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
U/FTP Cable Cat.6_A, 4x2xAWG23/1, 500MHz, LS0H Dca-s2-d1-a1, blue, Sale per meter	20,00kg/km		**HSEKF423HB**
U/FTP Cable Cat.6_A, 4x2xAWG23/1, 500MHz, LS0H Dca-s2-d1-a1, blue, Drum 1000m	20,00kg/km		**HSKF423HB1**
U/FTP Cable Cat.6_A, 4x2xAWG23/1, 500MHz, LS0H Dca-s2-d1-a1, blue, Drum 500m	20,00kg/km		**HSKF423HB5**
U/FTP Cable Cat.6_A, 4x2xAWG23/1, 500MHz, LS0H Dca-s2-d1-a1, blue, Box 100m	20,00kg/km		**HSKF423HB9**

Installationcables U/FTP Cat.6_A 500MHz LS0H Dca

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
U/FTP Cable Cat.6_A, 2x(4x2xAWG23/1), 500MHz, LS0H Dca-s2-d1-a1, blue, Sale per meter	40,00kg/km		**HSEKF823HB**
U/FTP Cable Cat.6_A, 2x(4x2xAWG23/1), 500MHz, LS0H Dca-s2-d1-a1, blue, Drum 500m	40,00kg/km		**HSKF823HB5**
U/FTP Cable Cat.6_A, 2x(4x2xAWG23/1), 500MHz, LS0H Dca-s2-d1-a1, blue, Drum 100m	40,00kg/km		HSKF823HB9

Installationcables SF/UTP Cat.5e



HSEKS424PP

LSA | SF/UTP | Cat. 5e | PVC | E_{ca}

Schrack-Info

Installationcables for generic, structured network cabling systems.
Support all applications requiring Class D (e.g. 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.

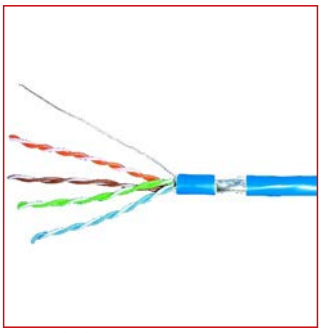
Standards:	ISO/IEC 11801, EN 50173-1 Cat.5 acc. to IEC 61156-5, EN 50288-2-1
Conductor:	4 unshielded, twisted pairs
Conductor material:	Solid bare copper AWG24/1 (0.52mm)
Insulation material:	Polyvinylchlorid (PVC)
Nominal diameter over insulation:	1.05mm
Overall Shield:	AL-foil + tinned copper-wire braid
Jacket:	PVC
Reaction to fire:	E_{ca}
Outside diameter:	6.0mm
Jacket color:	Blue RAL5015
Temperature range during operation, storage:	-20°C to +70°C
Temperature range during installation:	0°C to +50°C
Min. bend radius during operation:	5 x D
Min. bend radius during installation:	8 x D
Max. pulling strength:	100N
Total cable weight:	45kg/km
NVP (Nominal velocity of propagation):	0.75c

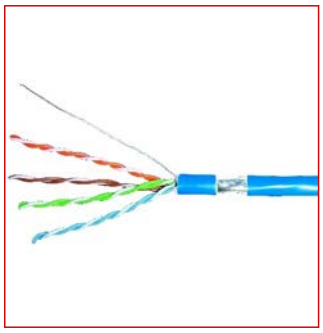
Electrical Characteristics at 20°C according to IEC 61156-5

Frequency	1	4	8	10	16	20	25	31.25	62.5	100	125	MHz
Attenuation	-	4.1	5.8	6.5	8.2	9.3	10.4	11.7	17	22	25	dB/100m
NEXT	65	56	51	50	47	45	44	42	38	35	34	dB/100m
PS NEXT	62	53	48	47	44	42	41	39	35	32	31	dB/100m

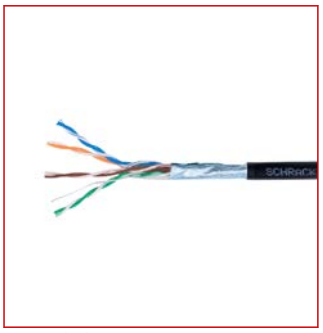
DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
SF/UTP Cable Cat.5e, 4x2xAWG24/1, PVC Eca, blue, Sale per meter	23,00kg/km		**HSEKS424PP**
SF/UTP Cable Cat.5e, 4x2xAWG24/1, PVC Eca, blue, Drum 500m	23,00kg/km		**HSKS424PP5**

Installationcables F/UTP Cat.5e


HSEKF424PP


HSEKF424P1


HSEKF424H1


HSEKF424E3

Schrack-Info

Installationcables for generic, structured network cabling systems.
Support all applications requiring Class D (e.g. 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.

LSA | F/UTP | Cat. 5e | LS0H | PVC | E_{ca} | PE

Technical Data

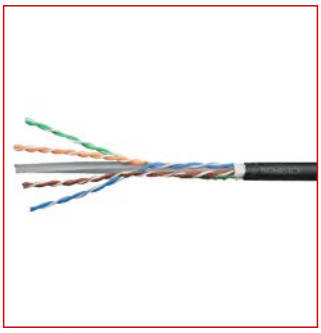
	HSEKF424PP	HSEKF424P1	HSEKF424H1	HSEKF424E3
Standards:	ISO/IEC 11801, EN 50173 Cat.5 acc. to IEC 61156-5, EN 50288-3-1			
Conductor:	4 unshielded twisted pairs			
Conductor material:	Solid bare copper, AWG24/1 (0.52mm)			
Insulation material:	Polyethylene (PE)			High density Polyethylene (HDPE)
Nominal diameter over insulation:	0.93mm		1.05mm	1.055mm
Overall braid:	AL-Folie			
Jacket:	PVC		LS0H acc. to IEC 60332-1, EN 60332-1	PE
Reaction to fire:	E_{ca}			-
outside diameter:	5.9mm	5.2mm		6.0mm
Jacket colour:	Blue RAL5015			Black RAL9005
Temperature range during operation, storage:	-20°C bis +70°C			-10°C bis +60°C
Temperature range during installation:	0°C bis +50°C			
Min. bend radius during operation:	5 x D			4 x D
Min. bend radius during installation:	8 x D			
Max. pulling strength:	100N			
Total cable weight:	39kg/km	38kg/km	39kg/km	33kg/km
NVP (Nominal velocity of propagation):	0.68c	0.75c		

Electrical Characteristics at 20°C according to IEC 61156-5

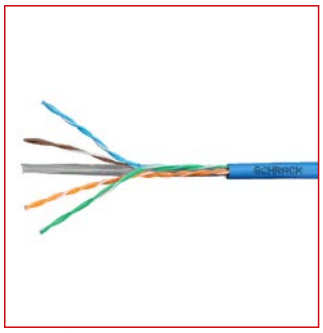
Frequency	1	4	8	10	16	20	25	31.25	62.5	100	125	MHz
Attenuation	2.0	4.1	5.8	6.5	8.2	9.3	10.4	11.7	17	22	24.9	dB/100m
NEXT	65	56	51	50	47	45	44	42	38	35	34	dB/100m
PS NEXT	62.3	53.3	48.8	47.3	44.2	42.8	41.3	39.9	35.4	32.3	30.8	dB/100m

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
F/UTP Cable Cat.5e, 4x2xAWG24/1, PVC Eca, blue, Sale per meter	17,00kg/km		**HSEKF424PP**
F/UTP Cable Cat.5e, 4x2xAWG24/1, PVC Eca, blue, Drum 500m	17,00kg/km		**HSKF424PP5**
F/UTP Cable Cat.5e, 4x2xAWG24/1, PVC Eca, blue, Box 305m	17,00kg/km		**HSEKF424P1**
F/UTP Cable Cat.5e, 4x2xAWG24/1, LS0H Eca, blue, Box 305m	17,00kg/km		**HSEKF424H1**
F/UTP Cable Cat.5e, 4x2xAWG24/1 PE OUTDOOR, black, Box 305m	17,00kg/km		**HSEKF424E3**

Installationcables U/UTP Cat.6 300MHz



HSEKU423E3



HSEKU423x1

LSA | U/UTP | Cat. 6 | LSOH | PVC | E_{ca} | PE

Schrack-Info

Installationcables for generic, structured network cabling systems. Support all applications requiring Class D to Class E (e.g. 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.

Technical Data

	HSEKU423P1	HSEKU423H1	HSEKU423E3
Standards:	ISO/IEC 11801, EN 50173-1 Cat.6 acc. IEC 61156-5, EN 50288-6-1		
Conductor:	4 unshielded, twisted pairs		
Conductor material:	Solid bare copper AWG23/1 (0.58mm)		
Cross separator:	Polyethylene (PE)		-
Insulation material:	Polyethylene (PE)		LDPE
Nominal diameter over insulation	0.96mm		0.5mm
Jacket:	PVC	LS0H acc. to IEC 60332-1, EN 60332-1	Polyethylen (PE)
Reaction to fire:	E_{ca}		-
Outside diameter:	5.7mm		6.5mm
Jacket colour:	Blue RAL5015		Black RAL9005
Temperature range during operation, storage:	-30°C to +60°C		-10°C to +60°C
Temperature range during installation:	0°C to +50°C		
Min. bend radius during operation:	3 x D		4 x D
Min. bend radius during installation:	6 x D		8 x D
Max. pulling strength:	80N		90N
Total cable weight:	37kg/km		30kg/km
NVP (Nominal velocity of propagation):	0.70c		0.69c

Electrical Characteristics at 20°C according to IEC 61156-5

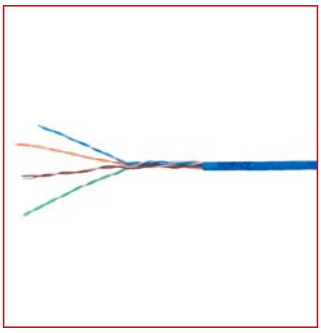
Frequency	1	4	10	16	31.2	62.5	100	155	200	250	300	MHz
Attenuation	2.1	3.8	6	7.6	10.7	15.5	19.9	25.3	29.1	33	-	dB/100m
NEXT	75.3	66.3	60.3	57.2	52.9	48.4	45.3	42.4	40.8	39.9	-	dB/100m
PS NEXT	72.3	63.3	57.3	54.2	49.9	45.4	42.3	39.4	37.8	36.3	-	dB/100m
ARC	73.2	62.4	54.3	49.6	42.1	32.9	25.4	17.1	11.6	6.3	-	dB/100m
PS ACR	70.2	59.4	51.3	46.6	39.1	29.9	22.4	14.1	8.6	3.3	-	dB/100m
ACR-F	70	58	50	45.9	40.1	34.1	30	26.2	24	22	-	dB/100m
PS ACR-F	67	55	47	42.9	37.1	31.1	27	23.2	21	19	-	dB/100m
Return loss	20	23	25	25	23.6	21.5	20.1	18.8	18	17.3	-	dB/100m
TCI level 1	40	34	30	28	25.1	22	20	18.1	17	16	-	dB/100m
EL TCTL	35	23	15	10.9	5.1	-	-	-	-	-	-	dB/100m
Impedance upper limit	122.2	15.2	111.9	111.9	114.1	118.3	121.9	126	128.8	131.5	-	Ω
Impedance lower limit	81.8	86.8	89.4	89.4	87.7	84.5	82	79.3	77.6	76	-	Ω
Propagation delay	570	552	545	543	539	538	537	537	537	536	-	dB/100m

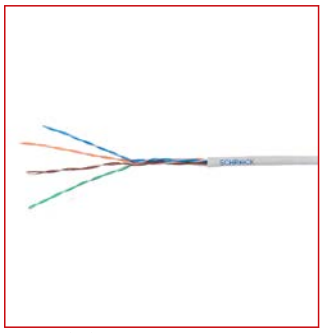
* Limits below 4 MHz are informative.

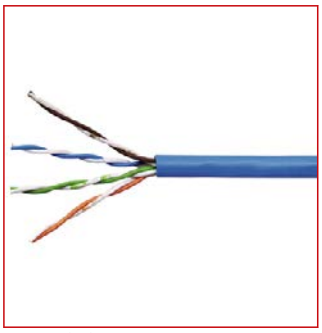
Installationcables U/UTP Cat.6 300MHz

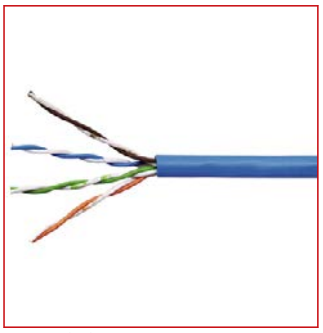
DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
U/UTP Cable Cat.6, 4x2xAWG23/1, 300MHz, PVC Eca, blue, Sale per meter	20,00kg/km		**HSEKU423P1**
U/UTP Cable Cat.6, 4x2xAWG23/1, 300MHz, PVC Eca, blue, Box 305m	20,00kg/km		**HSKU423P13**
U/UTP Cable Cat.6, 4x2xAWG23/1, 300MHz, PVC Eca, blue, Drum 500m	20,00kg/km		**HSKU423P15**
U/UTP Cable Cat.6, 4x2xAWG23/1, 300MHz, LS0H Eca, blue, Sale per meter	20,00kg/km		**HSEKU423H1**
U/UTP Cable Cat.6, 4x2xAWG23/1, 300MHz, LS0H Eca, blue, Box 305m	20,00kg/km		**HSKU423H13**
U/UTP Cable Cat.6, 4x2xAWG23/1, 300MHz, LS0H Eca, blue, Drum 500m	20,00kg/km		**HSKU423H15**
U/UTP Cable Cat.6, 4x2xAWG23/1 PE OUTDOOR, black, Box 305m	20,00kg/km		**HSEKU423E3**

Installationcables U/UTP Cat.5e


HSEKU424P1


HSEKU424P0


HSEKU424PB


HSEKU424H1


HSEKU424E3

Schrack-Info

Installationcables for generic, structured network cabling systems.
Support all applications requiring Class D (e.g. 1000Base-T, 100Base-TX, ATM) as well as VoIP, PoE.

LSA | U/UTP | Cat. 5e | LS0H | PVC | E_{ca} | PE

Technical Data

	HSEKU424P1	HSEKU424P0	HSEKU424PB	HSEKU424H1	HSEKU424E3
Standards:	ISO/IEC 11801, EN 50173 Cat.5 acc. to IEC 61156-5, EN 50288-3-1				
Conductor:	4 unshielded twisted pairs				
Conductor material:	Solid bare copper, AWG24/1				
Insulation material:	High density Polyethylene (HDPE)				
Nominal diameter over insulation:	0.9mm				0.91mm
Overall braid:	ungeschirmt				
Jacket:	PVC			LS0H acc. to IEC 60332-1 EN 60332-1	PE
Reaction to fire:	Eca				-
Outside diameter:	5.2mm				5.1mm
Jacket colour:	Blue RAL5015	Grey RAL7032	Blue RAL5015		Black RAL9005
Temperature range during operation, storage:	-10°C bis +60°C				
Temperature range during installation:	0°C bis +50°C				
Min. bend radius during operation:	4 x D				
Min. bend radius during installation:	8 x D				
Max. pulling strength:	90N				
Total cable weight:	30kg/km				
NVP (Nominal velocity of propagation):	0.69c				

Electrical Characteristics at 20°C according to IEC 61156-5

Frequency	1	4	8	10	16	20	25	31.25	62.5	100	125	MHz
Attenuation	-	4.1	5.8	6.5	8.2	9.3	10.4	11.7	17	22	25	dB/100m
NEXT	65	56	51	50	47	45	44	42	38	35	34	dB/100m
PS NEXT	62	53	48	47	44	42	41	39	35	32	31	dB/100m

* Limits below 4MHz are informative.

Installationcables U/UTP Cat.5e

DESCRIPTION	COPPER WEIGHT	AVAILABLE	ORDER NO.
U/UTP Cable Cat.5e, 4x2xAWG24/1, PVC Eca, blue, Box 305m	15,00kg/km		**HSEKU424P1**
U/UTP Cable Cat.5e, 4x2xAWG24/1, PVC Eca, grey, Box 305m	15,00kg/km		**HSEKU424P0**
U/UTP Cable Cat.5e, 4x2xAWG24/1, PVC Eca, blue, Drum 500m	15,00kg/km		**HSEKU424PB**
U/UTP Cable Cat.5e, 4x2xAWG24/1, LS0H Eca, blue, Box 305m	15,00kg/km		**HSEKU424H1**
U/UTP Cable Cat.5e, 4x2xAWG24/1 PE OUTDOOR, black, Box 305m	15,00kg/km		**HSEKU424E3**

CABLING MADE EASY



COPPER ACCESSORIES

Schrack Technik offers a wide range of high-quality accessories for the safe and effortless installation of copper components. The range extends from various tools to specialized equipment for the installation and maintenance of copper cabling. It is easy to use and has been carefully developed to ensure reliable and efficient application.









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Cable Dispenser



HTOOL00006

Schrack-Info

Cable dispenser for easy installation during installation. Executed with infinitely adjustable rollers for different cable coil diameters

- Material of the frame: high-quality aluminum alloy.
- Material of castors: High quality steel, galvanized.
- The rollers are ball-bearing.
- Load capacity: up to 250kg.
- Roll distance of 23 - 34cm infinitely adjustable.
- Coil width: max. 52cm.
- 4 adjustable rubber feet for precise alignment.
- Suitable for all drums of the SCHRACK data cable HSEK ... and coax cable DIGI-SAT.
- Delivery: Assembled in single box.

DESCRIPTION	AVAILABLE	ORDER NO.
Cable dispenser for 250kg Load for drums up to 52cm width, Roller spacing variable adjustable from 23 - 34cm		**HTOOL00006**

Sidecutters


HTOOL00002


HTOOL00003


HTOOL00005


HSPTOOL1

Schrack-Info

A flat side cutter is needed to cut the copper wires of the installation cable correctly when installing TOOLLESS LINE or S-JACK modules.
For easy, quick and comfortable closing of S-JACK modules, we recommend the use of parallel-plier HSPTOOL1.

DESCRIPTION	AVAILABLE	ORDER NO.
Side cutter flat for wire up to 1.3mm diameter		**HTOOL00002**
Side cutter flat for wire up to 1.0mm diameter		**HTOOL00003**
Cable Stripper for Jacket and Foil of Installationcables		**HTOOL00005**
Parallel Plier for closing of S-JACK and PERFORMANCE LINE RJ45 modules		**HSPTOOL1**

LSA Crimping Tools



HKRONELSA

Schrack-Info

- LSA crimping tool
- Solderless, screwless and stripping-free connection technology
- With sensor (can be switched off) for scanning the wire end position
- Scissors can be switched off
- Placing and cutting the wire in one work
- Fold-out unlocking blade
- Fold-out Pulling hooks
- Housing color: grey

DESCRIPTION	AVAILABLE	ORDER NO.
LSA Crimping tool with sensor, grey		**HKRONELSA**

RJ45 Plugs for Crimping to Solid Wire Installationscable


HSISR6SI3A


HSISR6SI3G


HSISR6SI3W


HSISR6SI2

Schrack-Info

- RJ45 Cat.6 / Cat.6_A plug to be installed on site. Connector for crimping to installationcable (solid wire) or flex cable (stranded wire).
- Two parts (straight connector) or four parts (angled plug) only
- Easy crimping without need of a special tool.
- To be used with cables up to AWG 22/1
- Outer cable-sheet from 5,5 to 8,5mm (10,5mm for Cat.6_A plug)
- Color-code: TIA/EIA 568 A and B, Industrial
- Die-cast zinc housing for industrial use.

STP | Cat. 6_A | 10GB | Cat. 6

DESCRIPTION	AVAILABLE	ORDER NO.
Field assembly RJ45 connector, shielded, Cat.6_A (ISO/IEC), 4PPoE (100W), AWG 26/7 - 23/7, AWG 26/1 - 23/1, IP20, straight cable inlet (180°)		**HSISR6SI3A**
RJ45 industrial plug Cat.6 STP, on-site installable, AWG 26/7 - 22/7, AWG 24/1 - 22/1, IP20, straight (180°) cable feed		**HSISR6SI2**
RJ45 industrial plug Cat.6_A (ISO/IEC) STP, on-site installable, AWG 27/7 - 22/7, AWG 26/1 - 22/1, IP20, straight (180°) cable feed		**HSISR6SI3G**
RJ45 industrial plug Cat.6_A (ISO/IEC) STP, on-site installable, AWG 27/7 - 22/7, AWG 26/1 - 22/1, IP20, angled (360°) cable feed		**HSISR6SI3W**

RJ45 Plugs for Crimping to Solid Wire Installation Cable



HSISR6UI3A

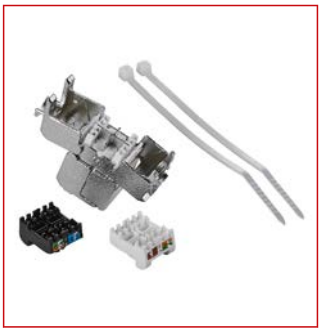
Schrack-Info

- RJ45 Cat.6_A UTP plug to be installed on site. Connector for crimping to installation cable (solid wire) or flex cable (stranded wire).
- Two parts only.
- Easy crimping without need of a special tool.
- To be used with cables up to AWG 23/1.
- Straight (180°) cable feed.

UTP Cat. 6_A

DESCRIPTION	AVAILABLE	ORDER NO.
RJ45 plug Cat.6_A UTP, on-site installable, AWG 26/7 - 23/7, AWG 26/1 - 23/1, IP20, straight (180°) cable feed		**HSISR6UI3A**

Repair-Kit Shielded Cat.6/Cat.6_A for Installationcable



HCAT6AREPT



HCAT6AREPK



HCAT6REPKI

Schrack-Info

- For joining or extending of Twisted-Pair installationcables.
- Performance up to Cat.6_A (depends on repair-kit and installationcable).

Cat. 6_A 10GB Cat. 6

DESCRIPTION	AVAILABLE	ORDER NO.
TOOLLESS LINE Repair-Kit/Extender of installation cables Cat.6_A, 10GB 4PPoE (100W) for AWG26 - AWG22, Short-version		**HCAT6AREPT**
Repair-Kit / Extender for connecting of installation cables, Cat.6_A ISO/IEC, TOOLLESS, for AWG24 - AWG22, PoE+, Slim-version		**HCAT6AREPK**
Repair-Kit for connecting of installation cables, Cat.6		**HCAT6REPKI**

Coupler RJ45 Shielded Class E_A 10GB in Schrack Format A (SFA)



HSEMRKRGWS

SFA STP 10GB

Schrack-Info

This RJ45-RJ45 coupler is a module in Schrack Format A (SFA) and fullfills Class Ea 10GB performance.

DESCRIPTION	AVAILABLE	ORDER NO.
Adaptor coupling RJ45 Class E_A shielded 10GB (SFA)		**HSEMRKRGWS**

Network Isolator RJ45 Unshielded Cat.5e / 1Gbit/s



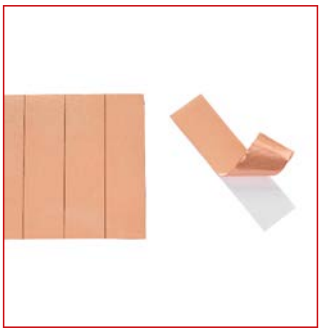
HSEMRN5UWE

Schrack-Info

The RJ45 jack of the network isolator is a module in Schrack Format A (SFA) and fullfills Cat.5e performance for 1 Gigabit Ethernet. The network isolator is used in copper-based network-links (Ethernet) to protect devices that are connected to the network from unwanted external voltage and thus avoid damage. Frequently used in hospitals.

DESCRIPTION	AVAILABLE	ORDER NO.
Network Isolator RJ45 unshielded Cat.5e / 1Gbit/s (SFA) for galvanically Seperation of Data lines and Cable shielding		HSEMRN5UWE

Copper Strip



HSEKB0020



HSEKB1800

Schrack-Info

The copper strip fixes the braid of installationcables. Two versions are available. A package including 20 pieces and a roll including 1.500 pieces. The copper strip is cutted to 35 x 9mm.

DESCRIPTION	AVAILABLE	ORDER NO.
Copper strips 35*9mm for opimized shielding contact of datacables to jacks, 20 pcs.		**HSEKB0020**
Copper strips 35*9mm for opimized shielding contact of datacables to jacks, 1.500 pcs.		**HSEKB1800**

Back to Back Cabletie



Q7KB0416-x

Schrack-Info

Back-to-back cable-ties for gentle fixing of cable-bundles. Reusable and flexible. Fixing occurs using a "back-to-back" system. The cable ties are wound around the cables to be bundled. This ensures that no damage occurs to the cables. Needed length is cutted from 7.5m roll.

DESCRIPTION	AVAILABLE	ORDER NO.
Back to back cable tie blue 16mm x 4m		**Q7KB0416-B**
Back to back cable tie red 16mm x 4m		**Q7KB0416-R**
Back to back cable tie yellow 16mm x 4m		**Q7KB0416-Y**
Back to back cable tie green 16mm x 4m		**Q7KB0416-U**
Back to back cable tie black 16mm x 4m		**Q7KB0416-S**

Crimping Tools for RJ-Connector



HTOOL00011

Schrack-Info

- Multifunctional crimping pliers for modular plugs
- Suitable for 8P8C-RJ45, 6P6C-RJ12, 6P4C-RJ11, 4P4C
- Smooth-running cable cutter
- Simple stripping function
- With ratchet and integrated blade guard
- For the production of network and telephone patch cables
- Rubberized, non-slip plastic handles
- Robust pliers made from high-quality metal

DESCRIPTION	AVAILABLE	ORDER NO.
Crimping tool universal for RJ45/12/11 jacks		**HTOOL00011**

RJ45 / RJ12 / RJ11 Connector for Crimping to Flexcable



HJ45LCU800



HJ1266LC



HJ11L6P4LC



HJ45TULLxx

Schrack-Info

- For making patchcords with different lengths on your own.
- Suitable for crimping on stranded cables (7 wires) AWG26
- Boots have to be used for bending protection of the cable.
- RJ45 connector (8/8) 8 Pin width, 8 Pins have contacts. To be used for computer and telefony connections. Shielded and unshielded version.
- RJ12 connector (6/6) 6 Pin width, 6 Pins have contacts. To be used for telefony connections. Unshielded.
- RJ11 connector (6/4) 6 Pin width, middle 4 Pins have contacts. To be used for telefony connections. Unshielded.
- Boots are available in packages of 100 pieces (100, 200, 300, ...).

DESCRIPTION	AVAILABLE	ORDER NO.
RJ45 unshielded plug for crimping to flex (stranded) cable, Cat.5e		**HJ45LCU800**
RJ11 Plug for crimping, unshielded 6/6, Telephony		**HJ1266LC**
RJ11 Plug for crimping, unshielded 6/4, Telephony		**HJ11L6P4LC**
Boot for shielded and unshielded RJ45 plugs, grey		**HJ45TULLGR**
Boot for shielded and unshielded RJ45 plugs, blue		HJ45TULLSW
Boot for shielded and unshielded RJ45 plugs, red		HJ45TULLRT

Flexcable, Flatcable by the meter



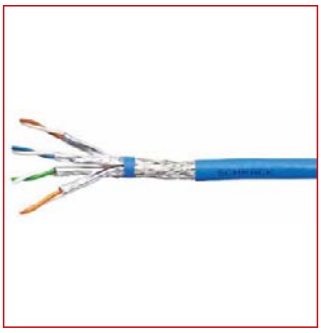
HMOFL4SCHW

Schrack-Info

- For telefony patchcords an unshielded flatwire-cable is used.
  - Available in black color.
  - Unshielded connectors (RJ45, RJ12, RJ11) are crimped to this cable.
- Patching of telefony lines in enclosures is mostly done by using RJ45 to RJ45 flatwire patchcord.
- Connecting from data-outlet to the phone is mostly done by a RJ45 to RJ11 flatwire patchcord.

DESCRIPTION	AVAILABLE	ORDER NO.
Flat cable, 4 wires, black for Telephony patchcords		**HMOFL4SCHW**

Services offered



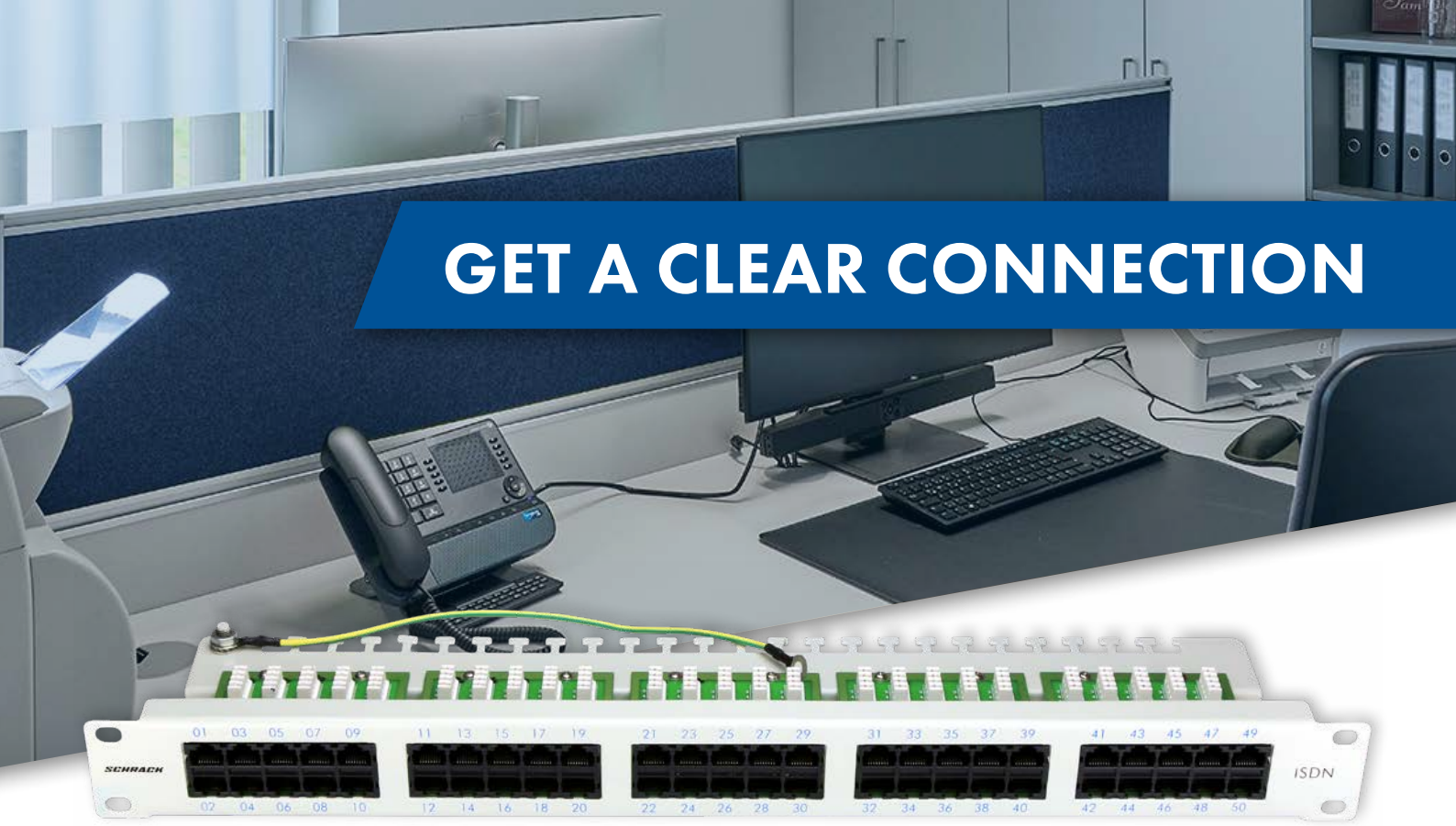
HARBEIT011

Schrack-Info

We recommend the use of complete cable batches.
Cutting to a special length according to customer requirements is possible.

DESCRIPTION	AVAILABLE	ORDER NO.
Cable cutting fee		HARBEIT011

GET A CLEAR CONNECTION

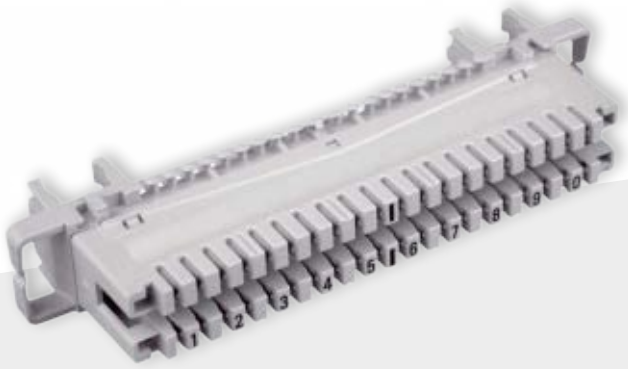


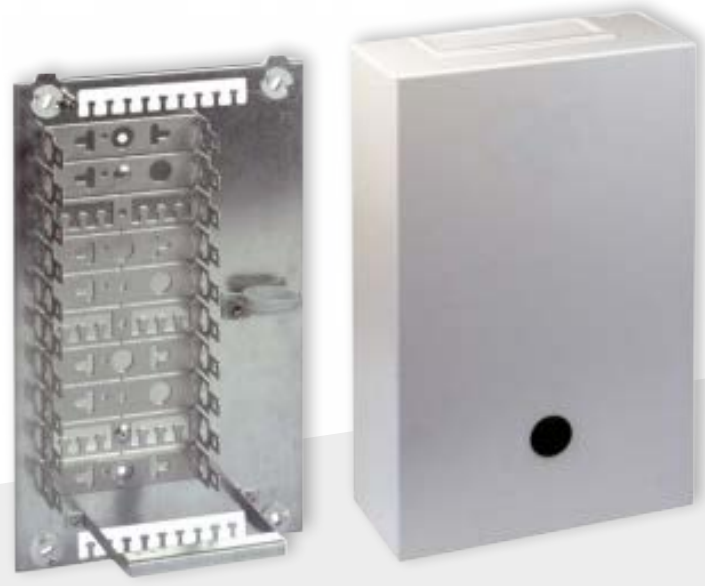
TELEPHONE SYSTEMS CABLING

"Schrack Technik offers high-quality telephone cabling solutions using RJ45 technology as well as LSA strips and accessories for mounting bracket and round rod installations. The range includes cables, connectors, distributors and patch panels that ensure clear communication and are easy to install.
All products meet the latest standards for reliable connectivity.

Your benefits at a glance

- High-quality telephone cables for clear communication
- Easy installation and maintenance
- Meets the latest standards
- For new installations and existing systems





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- Telephone patch cords ..... Page 227
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- LSA strips for round rods ..... Page 247
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Telephone Dataoutlet 2 x RJ45 Unshielded



HSEDU2UW5F



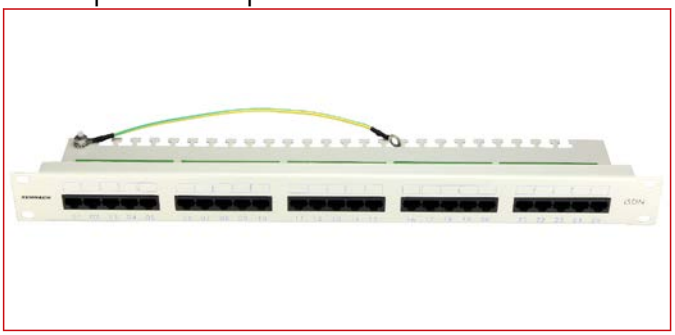
HSEAP842WF

Schrack-Info

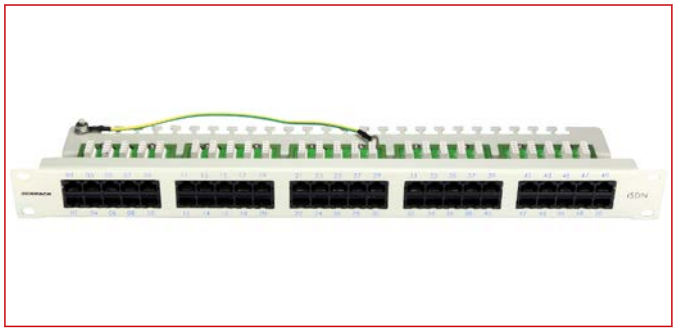
This data-outlet is loaded with RJ45 jacks and fullfills Class D performance. The outlet comes in color RAL9010 and is suitable for cable-duct installation (CI), for flush-mounting (FM), surface-mounting (SM) by means of a separate wallmount-box. It can be combined with switch-programs that offer a distance-frame for 50x50mm centralplates. The outlet comes with paper and window for labelling. Delivery also includes the centralplate 50x50mm and the frame 80x80mm. Cable-entry is possible from left or right side. Color-coding labels are prepared for cable-connection according to TIA 568A and 568B.

DESCRIPTION	AVAILABLE	ORDER NO.
Data Outlet 2xRJ45 unshielded Cat.5e, 80x80mm, angled, RAL9010 Pure white		**HSEDU2UW5F**
Wallmount Box for HSED0xUWyS, W80xH40xD80mm, RAL9010 Pure white		**HSEAP842WF**

Telephone Patchpanels RJ45 Unshielded



HSERU25IGC



HSERU50IGC

Schrack-Info

These telefony patchpanels 19" are loaded with RJ45 jacks.
They come as 1U tray-type version in color RAL7035 Light grey with 25 or 50 ports.
Included in delivery are the installation materials (cable-ties, cage nuts with screws, potential equalisation cable) and a rigid cable-guide in the rear.

DESCRIPTION	AVAILABLE	ORDER NO.
Patchpanel 25xRJ45 unshielded, ISDN, for wire-diameter 0.5 - 0.6mm, 19", 1U, RAL7035 Light grey		**HSERU25IGC**
Patchpanel 50xRJ45 unshielded, ISDN, for wire-diameter 0.5 - 0.6mm, 19", 1U, RAL7035 Light grey		**HSERU50IGC**

LSA Crimping Tools



HKRONELSA

Schrack-Info

LSA crimping tool
Solderless, screwless and stripping-free connection technology
With sensor (can be switched off) for scanning the wire end position
Scissors can be switched off
Placing and cutting the wire in one work
Fold-out unlocking blade
Fold-out Pulling hooks
Housing color: Grey

DESCRIPTION	AVAILABLE	ORDER NO.
LSA Crimping tool with sensor, grey		**HKRONELSA**

Telephone Patchcords RJ45 - RJ45 Unshielded



H5R5M401K0

Schrack-Info

Unshielded patchcord RJ45 to RJ45 with black flatwire-cable, without boot, middle 4 wires connected, pin-assignment 1:1.
Mostly used for patching of telefony lines in enclosures.

DESCRIPTION	AVAILABLE	ORDER NO.
Patchcord RJ45/RJ45 unshielded Telephony ISDN black 1.0m		**H5R5M401K0**
Patchcord RJ45/RJ45 unshielded Telephony ISDN black 2.0m		**H5R5M402K0**
Patchcord RJ45/RJ45 unshielded Telephony ISDN black 3.0m		**H5R5M403K0**

Telephone Patchcords RJ45 - RJ11 Unshielded



H5R1M403K0

Schrack-Info

Unshielded patchcord RJ45 to RJ11 with black flatwire-cable, without boot, middle 4 wires connected, pin-assignment 1:1.
Mostly used for patching of telefony lines from data-outlet to phone.

DESCRIPTION	AVAILABLE	ORDER NO.
Patchcord RJ45/RJ11 unshielded Telephony ISDN black 3.0m		**H5R1M403K0**
Patchcord RJ45/RJ11 unshielded Telephony ISDN black 6.0m		**H5R1M406K0**
Patchcord RJ45/RJ11 unshielded Telephony ISDN black 10.0m		**H5R1M410K0**

Installationcable for Telecommunication Systems F-vYAY



XC150102

Schrack-Info

SPECIFICATIONS

- According to ÖVE - K35 / 1997

CONSTRUCTION

- Tin-plated, one-wire copper conductor with a 0,5mm cross-section, PVC core insulation, cores cabled together as pairs and pairs in concentric layers, core wrapping of plastic film, copper drain wire with 0,5mm cross-section, static screen of aluminium foil, outer jacket of PVC, grey.

APPLICATION

- For use as installation cable in fixed indoor installations for telecommunications purposes.

TEMPERATURE RANGE

- During installation - 5°C to + 50°C
- Fixed installation - 30°C to + 70°C

	0,5mm
Conductor loop resistance	max. 196,6Ohm/km
Insulation resistance	min. 500MOhm x km
Mutal capacitance	max. 100nF/km
Capacitance unbalance 100m at 800Hz	K9 = 150pF (100 %), 100pF (80 %)
2 pair cables	K1 = 500pF (100 %)

DESCRIPTION	AVAILABLE	ORDER NO.
2 x 2 x 0.5 paired		XC150102
2 x 2 x 0,5 paarig, ring 100m		X150102--C
2 x 2 x 0,5 paarig, drum 500m		X150102--D
3 x 2 x 0,5, ring 100m		X150103--C
3 x 2 x 0,5, drum 500m		X150103--D
3 x 2 x 0,5, ring 50m		X150103--L
5 x 2 x 0.5		XC150104
6 x 2 x 0.5		XC150105
10 x 2 x 0.5		XC150106
10 x 2 x 0,5, ring 50m		X150106--L
20 x 2 x 0.5		XC150109
100 x 2 x 0.5		XC150115

Installationcable for Telecommunication Systems F-YAY



XC150202

Schrack-Info

SPECIFICATIONS

- According to ÖVE - K35 / 1997

CONSTRUCTION

- Blank, one-wire copper conductor with 0,6/0,8mm cross-section, PVC core insulation, cores cabled together as pairs and pairs in concentric layers, core wrapping of plastic film, copper drain wire with 0,5mm cross-section, static screen of aluminium foil, outer jacket of PVC, grey.

APPLICATION

- For use as installation cable in fixed indoor installations for telecommunications purposes.

TEMPERATURE RANGE

- During Installation - 5°C to + 50°C
- Fixed installation - 30°C to + 70°CC

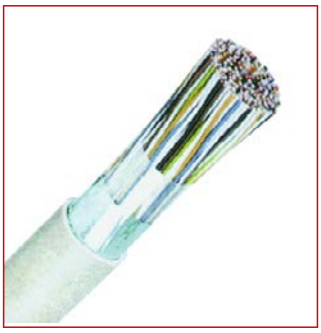
		0,6mm	0,8mm
Conductor loop resistance	max.	135,8Ohm/km	73,2Ohm/km
Insulation resistance	min.	500MOhm x km	500MOhm x km
Mutal capacitance	max.	100nF/km	100nF/km
Capacitance unbalance 100m at 800Hz	K9	200pF (100 %)	150pF (80 %)
2 pair cables	K1	500pF (100 %)	

DESCRIPTION	AVAILABLE	ORDER NO.
2 x 2 x 0.6 paired		XC150202
2 x 2 x 0,6 paarig, ring 100m		**X150202--C**
2 x 2 x 0,6 paarig, drum 500m		X150202--D
2 x 2 x 0,6 paarig, ring 50m		X150202--L
2 x 2 x 0,6 paarig, drum 1000m		X150202--M
3 x 2 x 0.6		XC150203
3 x 2 x 0,6, ring 100m		X150203--C
3 x 2 x 0,6, drum 500m		X150203--D
3 x 2 x 0,6, ring 50m		X150203--L
3 x 2 x 0,6, drum 1000m		X150203--M
5 x 2 x 0.6		XC150204
5 x 2 x 0,6, ring 100m		X150204--C
5 x 2 x 0,6, drum 500m		X150204--D
5 x 2 x 0,6, ring 50m		X150204--L
5 x 2 x 0,6, drum 1000m		X150204--M
6 x 2 x 0.6		XC150205
6 x 2 x 0,6, ring 100m		X150205--C
6 x 2 x 0,6, drum 500m		X150205--D
6 x 2 x 0,6, ring 50m		X150205--L
6 x 2 x 0,6, drum 1000m		X150205--M
10 x 2 x 0.6		XC150206
10 x 2 x 0,6, ring 100m		X150206--C
10 x 2 x 0,6, drum 500m		X150206--D
10 x 2 x 0,6, ring 50m		X150206--L
10 x 2 x 0,6, drum 1000m		X150206--M
15 x 2 x 0.6		XC150208
20 x 2 x 0.6		XC150209
20 x 2 x 0,6, ring 100m		X150209--C
20 x 2 x 0,6, drum 500m		X150209--D
20 x 2 x 0,6, ring 50m		X150209--L

Installationcable for Telecommunication Systems F-YAY

DESCRIPTION	AVAILABLE	ORDER NO.
25 x 2 x 0.6		XC150210
25 x 2 x 0,6, ring 100m		X150210--C
25 x 2 x 0,6, drum 500m		X150210--D
30 x 2 x 0.6		XC150211
30 x 2 x 0,6, drum 500m		X150211--D
40 x 2 x 0.6		XC150212
40 x 2 x 0,6, ring 50m		X150212--L
50 x 2 x 0.6		XC150213
50 x 2 x 0,6, drum 500m		X150213--D
50 x 2 x 0,6, drum 1000m		X150213--M
100 x 2 x 0.6		XC150215
100 x 2 x 0,6, drum 500m		X150215--D
2 x 2 x 0.8 paired		XC150302
2 x 2 x 0,8, ring 100m		**X150302--C**
2 x 2 x 0,8, drum 500m		X150302--D
2 x 2 x 0,8, ring 50m		X150302--L
2 x 2 x 0,8, drum 1000m		X150302--M
3 x 2 x 0.8		XC150303
3 x 2 x 0,8, ring 100m		X150303--C
3 x 2 x 0,8, drum 500m		X150303--D
3 x 2 x 0,8, ring 50m		X150303--L
3 x 2 x 0,8, drum 1000m		X150303--M
3 x 2 x 0,8, ring 200m		X150303--R
5 x 2 x 0.8		XC150304
5 x 2 x 0,8, ring 100m		**X150304--C**
5 x 2 x 0,8, drum 500m		X150304--D
5 x 2 x 0,8, ring 50m		X150304--L
5 x 2 x 0,8, drum 1000m		X150304--M
6 x 2 x 0.8		XC150305
6 x 2 x 0,8, ring 100m		X150305--C
6 x 2 x 0,8, drum 500m		X150305--D
6 x 2 x 0,8, ring 50m		X150305--L
6 x 2 x 0,8, drum 1000m		X150305--M
10 x 2 x 0.8		XC150306
10 x 2 x 0,8, ring 100m		X150306--C
10 x 2 x 0,8, drum 500m		X150306--D
10 x 2 x 0,8, ring 50m		X150306--L
10 x 2 x 0,8, drum 1000m		X150306--M
20 x 2 x 0.8		XC150308
20 x 2 x 0,8, drum 500m		X150308--D
20 x 2 x 0,8, ring 50m		X150308--L
30 x 2 x 0.8		XC150309
50 x 2 x 0.8		XC150311
100 x 2 x 0.8		XC150312
50 x 2 x 0,6, drum 100m		X150213--F
20 x 2 x 0,6, drum 1000m		X150209--M

Installationcable for Telecommunication Systems J-Y(ST)Y



XC150401

Schrack-Info

SPECIFICATIONS

- According to ÖVE - K35 / 1997

CONSTRUCTION

- Blank, one-wire copper conductor, PVC core insulation, cores cabled together as pairs and pairs in layers, core wrapping of plastic film, static screen of plastic-coated aluminium foil with drain wire, outer jacket of PVC, grey.

APPLICATION

- For use as installation cable in fixed indoor installations for telecommunications purposes.

TEMPERATURE RANGE

- During Installation - 5°C to + 50°C
- Fixed installation - 30°C to + 70°C

		0,6mm
Conductor loop resistance	max.	130Ohm/km
Insulation resistance	min.	100MOhm x km
Mutal capacitance	max.	100nF/km
Capacitance unbalance 100m	max.	300pF

Installationcable for Telecommunication Systems J-Y(ST)Y

DESCRIPTION	AVAILABLE	ORDER NO.
2 x 2 x 0.6		XC150401
2 x 2 x 0,6, ring 100m		X150401--C
2 x 2 x 0,6, drum 500m		X150401--D
2 x 2 x 0,6, ring 50m		X150401--L
2 x 2 x 0,6, drum 1000m		X150401--M
3 x 2 x 0.6		XC150402
3 x 2 x 0,6, ring 100m		X150402--C
3 x 2 x 0,6, drum 500m		X150402--D
3 x 2 x 0,6, drum 1000m		X150402--M
4 x 2 x 0,6, ring 100m		X150403--C
4 x 2 x 0,6, drum 500m		X150403--D
5 x 2 x 0.6		XC150404
5 x 2 x 0,6, ring 100m		X150404--C
5 x 2 x 0,6, drum 500m		X150404--D
5 x 2 x 0,6, ring 50m		X150404--L
5 x 2 x 0,6, drum 1000m		X150404--M
6 x 2 x 0.6		XC150405
6 x 2 x 0,6, ring 100m		X150405--C
6 x 2 x 0,6, drum 500m		X150405--D
10 x 2 x 0.6		XC150406
10 x 2 x 0,6, ring 100m		X150406--C
12 x 2 x 0.6		XC150407
12 x 2 x 0,6, ring 100m		X150407--C
20 x 2 x 0.6		XC150409
30 x 2 x 0.6		XC150410
40 x 2 x 0.6		XC150411
40 x 2 x 0,6, ring 50m		X150411--L
50 x 2 x 0.6		XC150412
100 x 2 x 0.6		XC150414
10 x 2 x 0,6, drum 1000m		X150406--M

Installationcable for Telecommunication Systems J-Y(ST)Y



XC150501

Schrack-Info

SPECIFICATIONS

- According to ÖVE - K35 / 1997

CONSTRUCTION

- Blank, one-wire copper conductor, PVC core insulation, cores cabled together as pairs and pairsin layers, core wrapping of plastic film, static screen of plastic-coated aluminium foil with drain wire, outer jacket of PVC, grey.

APPLICATION

- For use as installation cable in fixed indoor installations for telecommunications purposes.

TEMPERATURE RANGE

- During Installation - 5°C to + 50°C
- Fixed installation - 30°C to + 70°C

		0,8mm
Conductor loop resistance	max.	73,2Ohm/km
Insulation resistance	min.	100MOhm x km
Mutal capacitance	max.	100nF/km
Capacitance unbalance 100m	max.	300pF

DESCRIPTION	AVAILABLE	ORDER NO.
2 x 2 x 0.8		XC150502
1 x 2 x 0.8		XC150501
1 x 2 x 0,8, ring 100m		X150501--C
1 x 2 x 0,8, drum 500m		X150501--D
1 x 2 x 0,8, drum 1000m		X150501--M
2 x 2 x 0.8, ring 100m		**X150502--C**
2 x 2 x 0.8, drum 500m		X150502--D
2 x 2 x 0.8, drum 1000m		X150502--M
3 x 2 x 0.8		XC150503
3 x 2 x 0,8, ring 100m		X150503--C
3 x 2 x 0,8, drum 500m		X150503--D
3 x 2 x 0,8, drum 1000m		X150503--M
4 x 2 x 0.8		XC150504
4 x 2 x 0,8, ring 100m		X150504--C
4 x 2 x 0,8, drum 500m		X150504--D
4 x 2 x 0,8, ring 50m		X150504--L
4 x 2 x 0,8, drum 1000m		X150504--M
5 x 2 x 0.8		XC150505
5 x 2 x 0,8, ring 100m		X150505--C
5 x 2 x 0,8, drum 500m		X150505--D
5 x 2 x 0,8, drum 1000m		X150505--M
6 x 2 x 0.8		XC150506
6 x 2 x 0,8, ring 100m		X150506--C
6 x 2 x 0,8, drum 500m		X150506--D
6 x 2 x 0,8, ring 50m		X150506--L
6 x 2 x 0,8, drum 1000m		X150506--M
10 x 2 x 0.8		XC150507
10 x 2 x 0,8, ring 100m		X150507--C
10 x 2 x 0,8, drum 500m		X150507--D
10 x 2 x 0,8, drum 1000m		X150507--M

Installationcable for Telecommunication Systems J-Y(ST)Y

DESCRIPTION	AVAILABLE	ORDER NO.
20 x 2 x 0.8		XC150510
30 x 2 x 0.8		XC150511
40 x 2 x 0.8		XC150512
50 x 2 x 0.8		XC150513
2 x 2 x 0.8, ring 50m		X150502--L

LSA-Modules for Back Mount Frame

Schrack-Info

- LSA connection modules are snapped firmly into place
- Use tool to remove from LSA mounting trough
- Fixed 25mm pitch (distance between modules)
- LSA connection module remains firmly snapped in place in switched state
- Overvoltage protector can be plugged onto LSA connection modules without accessories
- Master cables are drawn into enclosed LSA mounting trough for EMC- protection
- Generally speaking, the operator is especially interested in ensuring that the incoming master cables are installed only once, thus completing work at the system end. This means that service work (jumperings, tests, etc.), which is usually carried out by third-party companies, will mostly take place on the network side
- We recommend you use the SCHRACK LSA back mount frame HSTMON to ensure a clear layout (fixed pitch) and for security/fault prevention reasons (LSA modules fitted securely).

GENERAL TECHNICAL VALUES	
Climatic conditions: either dry or wet without condensation	
Temperature range, storage	-40° to +90°C (+40° to + 194°F)
Temperature range, operating	-20° to +80°C (+4° to +176°F)
MECHANICAL VALUES	
LSA connection modules with LSA contacts for plastic-insulated copper conductors with solid or stranded copper cores (strands)	
as isolation displacement connection according to IEC 352-4, Part 4 and DIN 41 611-6-C-EL-CL Conductor specification (conductor cross-sections)	
Solid wire, 1-wire connection	0,40 to 0,80*)mm, AWG 26 to 20
Solid wire for 2-wire circuits of identical diameter and type	0,40 to 0,65mm, AWG 26 to 22
Tin-plated strand for single circuit	7 x 0, 12 to 0,32mm, AWG 28 to 20
Further connectable strand types upon request.	
Outside diameter (PVC and PE insulation)	unstranded 0,70 to 1,60mm
Special connection	1,60 to 2,70mm**)
Number of connectable identical wires per contact slot	max. 2
REPEATABILITY OF CONNECTIONS	
When connected to strand or solid conductors, 0,40...0,65mm	200 x
When connected to solid conductors, 0,80mm	50 x
MATERIALS	
Plastic parts	PBT
Flammability	accord. to UL 94 V-0
Contact spring	High-strength brass, silver-plated in contact area ≥ 5µm
*) After connecting = 0,65mm, no longer suitable for for smaller conductor diameters!	
**) Special type for data lines with thicker insulation shielding available	
ELECTRICAL VALUES (AFTER FOUR DAYS STORAGE AT CONSTANT CLIMATE AT +40° C/104°F AND 93% REL. HUMIDITY)	
Insulation resistance	≥ 5 x 104MOhm
AC voltage resistivity	2kVeff
Impulse withstand current (1.2/50µs wave)	3,6kV
Permitted impulse current load on LSA contact	equivalent to current handling capability of connected wire
Permitted impulse current load on connection module	10 kA (where conductor cross-section ≥ 0,6mm)
Permitted impulse current load on disconnection module	5kA
Permitted impulse current load on connection module (8/20µs wave)	5kA
CONTACT RESISTANCE (WIRE CONNECTION)	
Typical	1mOhm
Guaranteed	≤ 2,5mOhm
Total resistance including disconnection unit	≤ 10mOhm
TRANSMISSION VALUES	
The LSA connection modules are suitable for the following communications applications	
Analogue and digital telephone services	
Ethernet (10BaseT) with 10Mbit/s	
Token Ring with 4 or 16Mbit/s	
TPDDI with 100Mbit/s	
Other data- and communication services	
LSA connection modules allow for the use of either shielded or unshielded 2- and 4-pair cables.	

LSA Connection Modules for 2/10, 10 Pairs, Back Mount Frame



HSTMANSC0

Schrack-Info

For crimping 10 pairs (2-core) of multi-pair telephone cables. Pairs in opposition are firmly attached to each other (switched through) and cannot be separated. The pick-off points located between the connection contacts are suitable for measuring or testing work or for locking on overvoltage protection cartridges.

- For back mount frames /-troughs
- With large jumper lead loop ends
- Printed with numbers 1...0

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Connection module 10pairs for back mount frames		**HSTMANSC0**

LSA Disconnection Modules for 2/10, 10 Pairs, Back Mount Frame



HSTMTREN0

Schrack-Info

For crimping 10 pairs (2-core) of multi-pair telephone cables. A disconnection plug (not included, please order separately) can be used to separate the opposite pairs. The pick-off points located between the connection contacts are suitable for locking on overvoltage protection cartridges.

- For back mount frames /-troughs
- With large jumper lead loop ends
- Printed with numbers 1...0

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Disconnection module 10pairs for back mount frames		**HSTMTREN0**

LSA Earthing Modules for 2/38, Back Mount Frame



HSTMERDD0

Schrack-Info

For crimping of earthing wires (all connection points are connected to each other) of multiple-pair telephone cables, incl. earthing and connection cable with cable lug.

- For back mount frames/-troughs
- All contacts are bridged with the earthing connection

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Earthing module 2/38 connection for back mount frame		**HSTMERDD0**

LSA Connection Adapter, Back Mount Frame



HSTMANADA0

Schrack-Info

Disconnection module, 10 pairs screw terminal

- LSA disconnection module, 2/10 connected with 20 screw connections for wires up to 2,5mm2 on the jumpering side
- Includes accidental contact protection

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Adapter Disconnection module,10p.screw terminal,BM		**HSTMANADA0**

Hinged Label Holder



HSTZSCHK

Schrack-Info

Used to individually label modules, snaps directly onto module.

- Can be snapped onto LSA modules 2/10 to 10 pairs and overvoltage protection cartridges

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Hinged Label Holder 2/10, Snap-On to modules		**HSTZSCHK**

Module Label Holder, Back Mount Frame



HSTZSCHM

Schrack-Info

Requires one module of the back mount frame. Used for (primary) labelling of an entire back mount frame block.

- For back mount frames /-troughs
- Unprinted

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Label Holder for back mount frame		**HSTZSCHM**

Back Mount Frame for LSA Modules 2/10



HSTMON303

Schrack-Info

The back mount frames have 3 continuously-repeating hole patterns. For mounting of LSA connection modules 10 pairs. 25mm pitch (module-module distance). The LSA back mount frames are available with depths of 30 and 50mm. All module capacities are available up to 78 modules (780 pairs). The separate modules are connected to one another with fins. These are easy to cut using a pair of side-cutting pliers-equals more practical use.

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Back Mount Frame for mounting 3 LSA-modules, D=30mm		**HSTMON303**
Telephony Back Mount Frame for mounting 5 LSA-modules, D=30mm		**HSTMON305**
Telephony Back Mount Frame for mounting 10LSA-modules, D=30mm		**HSTMON310**
Telephony Back Mount Frame for mounting 10LSA-modules, D=50mm		**HSTMON510**

Panel 19", 3U, Back Mount Frame



HSTM19ZOL

Schrack-Info

Including back mount frame for 3 x 5 LSA modules 2/10

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Panel 19", 3U, for 3x5 LSA modules, Back Mount Frame		**HSTM19ZOL**

Wallmount Box I for 30 Pairs



HSTMBOX1V

Schrack-Info

Comes with back mount frame (3-times) and sash lock. Accommodates 3 x 10 pairs.

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Wallmount Box I for 3 modules, 30pairs, sash lock, Back Mount Frames		**HSTMBOX1V**
Telephony Wallmount Box I for 3 modules, 30pairs, lock+key, Back Mount Frames		HSTMBOX1L

Wallmount Box II for 50 Pairs



HSTMBOX2V

Schrack-Info

Comes with back mount frame (5-times) and sash lock. Accommodates 5 x 10 pairs.

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Wallmount Box II for 5 modules, 50pairs, sash lock, Back Mount Frames		**HSTMBOX2V**
Telephony Wallmount Box II for 5 modules, 50pairs, lock+key, Back Mount Frames		HSTMBOX2L

Wallmount Box III for 100 Pairs



HSTMBOX3V

Schrack-Info

Comes with back mount frame (10-times) and sash lock. Accommodates 10 x 10 pairs.

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Wallmount Box III for 10modules, 100pairs, sash lock, Back Mount Frames		**HSTMBOX3V**
Telephony Wallmount Box III for 10modules, 100pairs, lock+key, Back Mount Frames		HSTMBOX3L

Wallmount Box IV for 300 Pairs



HSTMBOX4V

Schrack-Info

Comes with back mount frame (2 x 15-times) and sash lock. Accommodates 30 x 10 pairs.

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Wallmount Box IV for 30modules, 300pairs, sash lock, Back Mount Frames		HSTMBOX4V
Telephony Wallmount Box IV for 30modules, 300pairs, lock+key, Back Mount Frames		HSTMBOX4L

Sheet Steel Metal Distribution Box, VKA2 / Back Mount Frame



HSTMVKA02

Schrack-Info

- WxHxD 200x330x100mm
- 100 pairs (1x10 LSA connection modules 2/10 for 10 pairs)
- RAL 9016 White
- Pluggable overvoltage protection possible up to 80 pairs
- Protection rating: IP42

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Metal Distribution Box VKA2, 100p., Back Mount Frame		HSTMVKA02

Sheet Steel Metal Distribution Box, VKA4 / Back Mount Frame



HSTMVKA04

Schrack-Info

- WxHxD 330x330x100mm
- 140 pairs (2x7 LSA connection modules 2/10 for 10 pairs)
- RAL 9016 White
- Pluggable overvoltage protection
- Protection rating: IP42

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Metal Distribution Box VKA4, 140p., Back Mount Frame		HSTMVKA04

Sheet Steel Metal Distribution Box, VKA8 / Back Mount Frame



HSTMVKA08

Schrack-Info

- WxHxD 330x550x100mm
- 280 pairs (2x14 LSA connection modules 2/10 for 10 pairs)
- RAL 9016 White
- Pluggable overvoltage protection
- Protection rating: IP42

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Metal Distribution Box VKA8,280p., Back Mount Frame		HSTMVKA08

Sheet Steel Metal Distribution Box, VKA12 / Back Mount Frame



HSTMVKA12

Schrack-Info

- WxHxD 550x550x100mm
- 420 pairs (3x14 LSA connection modules 2/10 for 10 pairs)
- RAL 9016 White
- Pluggable overvoltage protection
- Protection rating: IP42

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Metal Distribution Box VKA12,420p., Back Mount Fram		HSTMVKA12

Wall Mounting Cabinets with LSA Back Mount Frame



HSTMWVL020

Schrack-Info

- Enclosed sheet steel cabinet with swing handle for half cylinder lock and three-point security lock
- Cable entry from top and bottom via brush strip
- RAL 7035 Light grey
- Protection rating: IP40
- IP54 protection kit available upon request

Cabinet type	No. of rows	Outside diameter, WxHxD in mm	No. of modules	Capacity (pairs) at 25mm pitch
HSTMWVL020	2	600x600x220	2x12	2x100
HSTMWVL050	2	600x800x220	2x26	2x250
HSTMWVL070	2	600x1200x220	2x36	2x350
HSTMWVL105	3	800x1300x220	3x36	3x350

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Wallmount distribution cabinet 2x100pairs back mount		HSTMWVL020
Telephony Wallmount distribution cabinet 2x250pairs back mount		HSTMWVL050
Telephony Wallmount distribution cabinet 2x350pairs back mount		HSTMWVL070
Telephony Wallmount distribution cabinet 3x350pairs back mount		HSTMWVL105

Freestanding Cabinets with LSA Back Mount Frame



HSTMSVL120



HSTMSVL180

Schrack-Info

- Cabinet with removable side panels
- Modular
- With swing handle for half cylinder look and three-point security lock
- Cable entry from top via rubber clamp, bottom via division in floor plate
- RAL 7035 Light grey
- Protection IP54 (cable entry from bottom), otherwise protection IP40
- IP54 protection kit only required for cable entry from top

Cabinet type	No. of rows	Outside diameter, WxHxD in mm	No. of modules	Capacity (pairs) at 25mm pitch
HSTMSVL120	2	600x2000x400	2x62	2x600
HSTMSVL180	3	800x2000x400	3x62	3x600

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Freestanding cabinet 2x600 pairs, Back Mount Frames		HSTMSVL120
Telephony Freestanding cabinet 3x600 pairs, Back Mount Frames		HSTMSVL180

Bases for Freestanding Cabinets



HSTSO1210

Schrack-Info

Telephony base for telephony free-standing distribution box HSTMSVLxxx.

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Base for HSTMSVL120, 100mm		HSTSO1210
Telephony Base for HSTMSVL120, 200mm		HSTSO1220
Telephony Base for HSTMSVL180, 100mm		HSTSO1810
Telephony Base for HSTMSVL180, 200mm		HSTSO1820
Telephony Base for HSTMSVL240, 100mm		HSTSO2410
Telephony Base for HSTMSVL240, 200mm		HSTSO2420
Telephony Base for HSTMSVL300, 100mm		HSTSO3010
Telephony Base for HSTMSVL300, 200mm		HSTSO3020

LSA Connection Modules for 2/10, 10 Pairs, Round Rod



HSTRANSC0

Schrack-Info

For crimping 10 pairs (2-core) of multi-pair telephone cables. Pairs in opposition are firmly attached to each other (switched through) and cannot be separated. The pick-off points located between the connection contacts are suitable for measuring or testing work or for locking on overvoltage protection cartridges.

- For mounting via round rods
- Printed with numbers 1...0

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Connection module 10pairs for round rod		HSTRANSC0

LSA Disconnection Modules for 2/10, 10 Pairs, Round Rod



HSTRTREN0

Schrack-Info

For crimping 10 pairs (2-core) of multi-pair telephone cables. A disconnection adapter (not included, please order separately) can be used to separate the opposite pairs. The pick-off points located between the connection contacts are suitable for locking on overvoltage protection cartridges.

- For mounting via round rods
- Printed with numbers 1...0

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Disconnection module 10pairs for round rod		**HSTRTREN0**

LSA Earthing Modules for 2/38, Round Rod



HSTRERDD0

Schrack-Info

For crimping ground wires (all connection points are connected to each other) of multiple-pair telephone cables, incl. earthing connection cable with cable lug.

- For mounting via round rod
- All contacts are bridged with the ground connection

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Earthing module 2/38 connections for round rod		**HSTRERDD0**

LSA Connection Adapter, Round Rod



HSTRANADA0

Schrack-Info

Disconnection module, 10 pairs screw terminal

- LSA disconnection module, 2/10 connected with 20 screw connections for wires up to 2,5mm2 on the jumpering side
- Includes accidental contact protection

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Adapter Disconnection module,10pairs, screw terminal, Round Rod		HSTRANADA0

Hinged Label Holder



HSTZSCHK

Schrack-Info

Used to individually label modules, directly snaps onto module.

- Can be snapped onto LSA modules 2/10 to 10 pairs and overvoltage protection cartridges

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Hinged Label Holder 2/10, Snap-On to modules		**HSTZSCHK**

Module Label Holder, Round Rod



HSTRSCHM

Schrack-Info

Used for (primary) labelling of entire round rod block.

- For mounting via round rods
- Unprinted

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Label Holder for labelling of entire round rod block		HSTRSCHM

Round Rod Holders



HSTRSTH58

Schrack-Info

Used as holder for round rods. Each round rod pair is mounted using 2-4 round rod holders depending on the rod length.

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Round Rod holder, Depth = 46mm		**HSTRSTH58**
Telephony Round Rod holder, Depth = 86mm		HSTRSTH86

Round Rods, Stainless Steel



HSTRSM200

Schrack-Info

- Used to mount LSA modules using round rods
- Solid construction

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Round Rod 200 pairs, solid construction		HSTRSM200
Telephony Round Rod 400 pairs, solid construction		HSTRSM400
Telephony Round Rod 500 pairs, solid construction		HSTRSM500
Telephony Round Rod 600 pairs, solid construction		HSTRSM600

Panel 19", 3U, Round Rod



HSTR19ZOL

Schrack-Info

- Light-grey similar RAL7035
- With 2 horizontal stainless steel round rods, 12 mm
- For accommodating up to 15 LSA connection modules 2/10 for 10 pairs
- For mounting via round rods
- Ground connection with M6 nut
- Wedge rail clamp for drain wire
- Cable strain relief at rear

DESCRIPTION	AVAILABLE	ORDER NO.
Telephonie 19", 3U, for 3x5 LSA modules, Round Rod		HSTR19ZOL

Spacer, Round Rod



HSTZDI25

Schrack-Info

Clipped onto round rods to maintain a specified distance between LSA modules

- 2.5mm spacer for 25mm module pitch

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Spacer for round rod, 2.5mm		HSTZDI25

DIN-Rail Adapter



HSTRHSA

Schrack-Info

For mounting LSA connection modules 10 pairs and 20 pairs for round rods on DIN rails. Two DIN-rail adapters required per module.

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony DIN-rail adapter for round rod modules HSTRANSC0 / HSTRTREN0, 2 adapters per module needed		HSTRHSA

DIN-Rail Adapter, Metal, M5 Thread



HSTMHSA

Schrack-Info

For mounting HSTMON back mount frames or 20 pairs LSA connection modules for screwing onto DIN rails. Connection for DIN-rail adapter required for overvoltage protection cartridges.

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony DIN-rail adapter for HSTMON...		**HSTMHSA**

Sheet Steel Metal Distribution Box, VKA2 / Round Rod



HSTRVKA02

Schrack-Info

- WxHxD 200x330x100mm
- 70 pairs (1x7 LSA connection modules 2/10 for 10 pairs round rod) or 100 pairs (1x5 LSA connection modules 1/20 for 20 pairs)
- RAL 9016 White
- Pluggable overvoltage protection
- Protection rating: IP42

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Metal Distribution Box VKA2, 70 pairs, Round Rod		HSTRVKA02

Sheet Steel Metal Distribution Box, VKA4 / Round Rod



HSTRVKA04

Schrack-Info

- WxHxD 330x330x100mm
- 120DA (1x12 LSA connection modules 2/10 for 10 pairs round rod) or 160 pairs (1x8 LSA connection modules 1/20 for 20 pairs)
- RAL 9016 White
- Pluggable overvoltage protection
- Protection rating: IP42

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Metal Distribution Box VKA4, 120 pairs, Round Rod		HSTRVKA04

Sheet Steel Metal Distribution Box, VKA8 / Round Rod



HSTRVKA08

Schrack-Info

- WxHxD 330x550x100mm
- 240DA (2x12 LSA connection modules 2/10 for 10 pairs round rod) or 320 pairs (2x8 LSA connection modules 1/20 for 20 pairs)
- RAL 9016 White
- Pluggable overvoltage protection
- Protection rating: IP42

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Metal Distribution Box VKA8, 240 pairs, Round Rod		HSTRVKA08

Sheet Steel Metal Distribution Box, VKA12 / Round Rod



HSTRVKA12

Schrack-Info

- WxHxD 550x550x100mm
- 400 pairs (2x20 LSA connection modules 2/10 for 10 pairs round rod) or 600 pairs (2x15 LSA connection modules 1/20 for 20 pairs)
- RAL 9016 White
- Pluggable overvoltage protection

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Metal Distribution Box VKA12, 400 pairs, Round Rod		HSTRVKA12

Overvoltage Protection Magazines for LSA Modules 2/10, Series H



HSTUSPH0



HSTUSPH1

Schrack-Info

- Magazine 2/10
- For electrode arresters, 8 x 6mm
- Leakage current 5A/5kA
- Also available for 90V upon request

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Overvoltage Protection Magazine, Model H, empty		HSTUSPH0
Telephony Overvoltage Protection Magazine, Model H, 20x230V		**HSTUSPH1**

Profile Earthing Magazine Contact Clips for Overvoltage Protection Pick-Off



HSTUSPPE

Schrack-Info

- For overvoltage protector pickoff for round rod installation
- Two pieces needed per module

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Earth contact clips for overvoltage protection, Round Rod		HSTUSPPE

Cover for Overvoltage Protection Magazine, Transparent



HSTUSPMA

Schrack-Info

- Telephony cover for magazine HSTUSPH1, transparent.

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Cover for overvoltage protect.magazine,transparent		HSTUSPMA

Overvoltage Arresters, Gas-filled, Leakage Current 5 A/5 kA, 8x6mm



HSTUSP8623

Schrack-Info

- Telephony overvoltage arrester, gas-filled, 8x6mm, 230V.
- Telephony overvoltage arrester, gas-filled, 8x6mm, 90V.

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Overvoltage Arrester gas-filLED, 8x6mm, 230V		HSTUSP8623
Telephony Overvoltage Arrester gas-filLED, 8x6mm, 90V		**HSTUSP8609**

Earth Rail for 2/10



HSTUSPES

Schrack-Info

Used as earth connection between overvoltage protection plug 1 pair and backmount frame / round rod (for round rod in connection with HSTUSPPE earth contact clips)

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Overvoltage Protection - Earthing rail, 2/10		HSTUSPES

Disconnection Adapters 1 Pair



HSTZTRENR



HSTZTRENW

Schrack-Info

For disconnecting connections in LSA disconnection modules 2/10 for 10DA

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Disconnection adapter 1 pair, red		HSTZTRENR
Telephony Disconnection adapter 1 pair, white		HSTZTRENW

Disconnection Adapters 10 Pairs



HSTZTREN1

Schrack-Info

For the complete disconnection of cable- and jumper side in LSA disconnection modules 2/10 for 10 pairs

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Disconnection adapter 2/10, 10 pairs		HSTZTREN1

LSA Bridge Connector



HSTZBR01



HSTZBR10

Schrack-Info

- For building a bridge by plugging into middle contact in LSA connection- and disconnection modules 2/10 for 10 pairs
- Bridge connectors can be disconnected using a pair of side-cutting pliers

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Bridge connector 1 pair		HSTZBR01
Telephony Bridge connector 10 pair		HSTZBR10

Test Cords 2/2 2 Pole



HSTZPSB205

Schrack-Info

- With 2 x 4mm jacks for banana connectors
- For parallel connection

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Test cord 2/2, 0.5m		HSTZPSB205

Test Cords 2/4 4 Pole



HSTZPSB405

Schrack-Info

With 4 x 4mm jacks

- Divides up conductor section

DESCRIPTION	AVAILABLE	ORDER NO.
Telephony Test cord 2/4, 0.5m		HSTZPSB405



PROFESSIONAL TESTING

MEASURING INSTRUMENTS

Copper cabling test meters are essential tools for installers and technicians
to ensure the performance and integrity of networks.
From measuring signal strength to checking impedance,
Schrack Technik's measuring devices offer all the necessary functions
to ensure the quality and integrity of the cabling.
With their user-friendly operation and robust design,
they are the ideal choice for professional network installations.

The features at a glance

- Precise measurement of signal strength and attenuation
- Analysis of impedance for optimal network performance
- Ease of use and intuitive operation
- Rugged design for use in professional settings



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Network Tester



HSETEST01S

Schrack-Info

The wiring tester with LED display is a simple, cost-effective measuring device. With this tester RJ45 unshielded, RJ45 Shielded, RJ12, RJ12/DEC and RJ11, RJ11/DEC, BNC can be tested.
The tester detects open, short-circuited, crossed wiring.
Supply via: 1x DC-9V/10mA block battery.
Maximum cable length to be tested: 305m.
Tests the contacting of the Shielding.
Scope of delivery: tester and remote unit, 2x 9V block battery, 2x RJ12 to RJ11 inserts in the remote unit.

DESCRIPTION	AVAILABLE	ORDER NO.
Cable tester RJ45 (UTP+STP) / RJ11 / Coax with bag		**HSETEST01S**

Cable Tester



HMSCM210

Schrack-Info

CableMaster 210 - Compact and economical continuity and wiring tester. The CableMaster 210 is a cost-effective, compact continuity and wiring tester for Ethernet cables. Particularly suitable for network technicians and electrical installers.

DESCRIPTION	AVAILABLE	ORDER NO.
Cable Master 210, wiremap tester, 1 x main unit, 1 x removable remote, 2 x AAA 1.5V batteries		**HMSCM210**

Cable Tracker



HMSPROBE



HMSTONE

Schrack-Info

Building cabling easily located!
With building cabling, the problem often arises as to which cable leads to which connection and how the cable is routed inside walls or cable ducts. This can be easily located with the Cable Probe.

- Finds connections and cable routing in any building wiring.
- Cable location and tracking also in walls and ducts.
- Port identification for Ethernet hub/switch/router.

DESCRIPTION	AVAILABLE	ORDER NO.
CableTracker Probe tone/location tracker matching to any analog tone generator or LAN tester with integrated tone generator, match with HMSCMxxx--, CT15		HMSPROBE
CableTracker Toner/Blinker - signal generator, feeds four different tones, activates "Link Lights" at 10/100 MBit hub or switch ports, detects short circuits or interruptions, for HMSPROBE--, CT10		HMSTONE

Cable Certifier



HMSWX500


HMSWX4500


HMSWX4500P

Schrack-Info

The WireXpert 4500 was the first to receive approval for Bel Stewart Cat 8.2 and ISO Class II. This means that with the WireXpert 4500 you are already well prepared for the new cabling standards up to 40 GB/s!

A cable certifier for all standards

WireXpert also certifies according to Cat.6 / Cat.6_A / Class E_A and supports the extended certification for fiber optic installations at 850/1,300nm and 1,310/1,550nm. In addition, a large number of measurement modules are available. E.g. for coax, MPO and M12 D-coded and X-coded.

Fast and easy measurements

Shortest measurement times and intuitive instrument operation provide fast acceptance measurements. Due to its low weight, the handy WireXpert is absolutely recommended for field use.

Convince yourself of the performance of the WireXpert 4500!

- First certifier for certifications up to 2.500 MHz with complete support of the new Cat 8 draft standard and Class I and II from the draft of ISO/IEC
- State-of-the-art cable certification for all standards: Class D/E/E_A/F/F_A, Cat 5/5e/6/6_A/7/7_A and the new draft standard Cat 8 and Class I and II from the draft of ISO/IEC
- Fast autotest with less than 9 seconds
- Independent ETL verification to confirm measurement accuracy
- Meets and exceeds ISO Level V requirements, IV and
- TIA Level IIIe Accuracy requirements
- Support for more than 20 cable manufacturers worldwide
- Field upgradeable with many options including B. Patchcord Tests, Industrial Ethernet, Class F_A , Coax, FO, MPO
- Supports extended certification for fiber optics at 850/1,300nm (multimode) and 1,310/1,550nm singlemode
- First certifier for MPO fiber certifications in data centers
- Extended cabling reporting and documentation
- The only certifier that meets the requirements of data centers, office cabling and Industrial Ethernet.

WireXpert 500-Certification of cabling - The cheapest cable tester for certification up to 500MHz

Fast, uncomplicated cabling certification in just a few seconds with class E_A

Fully upgradeable to WireXpert 4500 with Cat 8 performance.

WireXpert 500 is a cost-effective, upgradeable cable certifier that grows with your cable certification requirements. Invest today only in the options you really need. You can then retrofit the device later as needed. An optional configuration is available for the exclusive certification of copper cables up to Cat 6_A/class E_A. In addition, a multimode and single-mode Tier 1 certifier and a combined certifier for copper and fiber optic cables are available. Each option can be retrofitted with a license. Example: If you are installing copper cables today and will also need fiber optic cable installations later, you can upgrade the WireXpert 500 copper cable certifier to WireXpert 500-PLUS, a copper and fiber optic cable certifier. If you later need to certify up to Cat 8, you can upgrade any model to this frequency range.

- Extended cable certification up to 500MHz
- Industry standard certification
- Class D/E/E_A and Category 5e/6/6_A
- Meets TIA and ISO Level IIIe precision requirements
- Certification testing of patch cords
- Testing Industrial Ethernet with RJ45 and M12 connectivity, E2E connectivity tests
- Extended reporting and documentation
- Low cost cable certifier for on-site cabling and Industrial Ethernet

STP | UTP | Cat. 7_A | Cat. 7 | Cat. 6_A | 10GB | Cat. 6 | Cat. 5e

Cable Certifier

Article number	HMSWX500--	HMSWX4500- / HMSWX4500P
Typical applications:		
Home cabling	✓	✓
Office cabling	✓	✓
Industrial cabling	✓	✓
General specification:		
Certification testing: ISO/IEC 11801, EN50173	Class D, E, E_A	Class D, E, E_A, F, F_A
Certification testing: TIA 568-C2	Cat, 5e, 6, 6_A	Cat, 5e, 6, 6_A, 7, 7_A
Frequency range	1-500MHz	1-2500MHz
Measurement accuracy	Level IIIe, (IV)	Level IIIe, IV, V / Level IIIe, IV, V incl. accessories for DCRU measurements
Error localization	✓	✓
Measuring time Class E_A	9 Sek.	9 Sek.
Upgradeable for FO Measurement		✓
Measurements according generic Standards:		
ISO/IEC 11801 (International)	✓	✓
EN 50173 (Europe)	✓	✓
ANSI/TIA 568 (America)	✓	✓
Passive test and measurement parameters:		
Wiring test	✓	✓
Length measurement	✓	✓
Signal-to-noise ratio	✓	✓
Time difference measurement	✓	✓
Evaluation:		
PC evaluation software	✓	✓

DESCRIPTION	AVAILABLE	ORDER NO.
WireXpert 500 LAN Copper Cable Certifier, Measuring frequency max. 500 MHz to class Ea and Cat. 6_A, Measuring accuracy better than Level IIIe / IV		HMSWX500
WireXpert 4500 LAN Copper Cable Certifier, Measuring frequency max. 2500 MHz to class Fa and Cat.7_A, Measuring accuracy better than Level IIIe / IV		HMSWX4500
WireXpert 4500 LAN Copper Cable Certifier, Measuring frequency max. 2500 MHz to class Fa and Cat.7_A, Measuring accuracy better than Level IIIe / IV, incl. accessories for DCRU measurements		HMSWX4500P

Cable Certifier - Channel and Permanent Link Adapter



HMSWXZPLK



HMSWXZCHA

Schrack-Info

With a wide range of accessories you can extend the measuring characteristics of your WireXpert or replace a lost or worn part.

DESCRIPTION	AVAILABLE	ORDER NO.
WireXpert RJ45 Permanent Link Measuring-Cable - Class E_A / Cat.6_A (1 Pair) for HMSWX4500- / HMSWX500--		HMSWXZPLK
WireXpert RJ45 Permanent Link Measuring-Adapter-Set - Class E_A / Cat.6_A (1 Pair) for HMSWX4500- / HMSWX500--		HMSWXZPLS
WireXpert RJ45 Channel Measuring-Adapter - Class E_A / Cat.6_A (1 Pair) for HMSWX4500- / HMSWX500--		HMSWXZCHA
WireXpert TERA Permanent Link Measuring-Adapter-Set - Class F_A / Cat.7_A (1 Pair) for HMSWX4500- / HMSWX500--		HMSWXZPLT
WireXpert GG45/ARJ45 Channel Measuring-Adapter - Class F_A / Cat.7_A (1 Pair) for HMSWX4500- / HMSWX500--		HMSWXZCHG
WireXpert RJ45 Permanent Link Longlife Set - Class E_A / Cat.6_A (1 Pair + 2 spare measuring tips) for HMSWX4500 / HMSWX500		HMSWXZPLL1
WireXpert RJ45 Permanent Link Longlife Cable - Class E_A / Kat.6_A (1 piece) with exchangeable RJ45 measuring tip for HMSWX4500 / HMSWX500		HMSWXZPLL2
WireXpert RJ45 replacement measuring tip (1 piece) for HMSWXZPLL2 Longlife measuring cable		HMSWXZPLL3

Cable Certifier - PreLink System Adapter


HMSWXZCPLA


HMSWXZCPLC


HMSWXZCREF


HMSWXZC01


HMSWXZC02


HMSWXZC03


HMSWXZC04


HMSWXZC05


HMSWXZC06


HMSWXZC07


HMSWXZC08



HMSWXZCPLO


HMSWXZKIT2

Schrack-Info

The preLink® system enables simple and fast adaptation of various connector systems for industrial applications.

Ethernet applications such as PROFINET to the WireXpert family. Only a single measuring adapter is required.

All from preLink® supported plug-in connection systems can be connected via this measuring adapter with the corresponding measuring cable and preLink® interface.

Cable Certifier - PreLink System Adapter

DESCRIPTION	AVAILABLE	ORDER NO.
WireXpert - End-to-End Adapter with TERA Interface for Industrial Ethernet and Profinet Test, 1 piece		HMSWXZCPLA
WireXpert - End-to-end measuring cable TERA to preLink® system, 1 piece		HMSWXZCPLC
WireXpert - 2m class Fa measuring cable with TERA interface for referencing, 1 piece		HMSWXZCREF
WireXpert - RJ45 exchangeable connector for preLink® system, IP20 Cat.6_A, 1 piece		HMSWXZC01
WireXpert - RJ45 Cat.6 Pre Link Socket HIFF Format for preLink® System, without connection block, 1 piece		HMSWXZC02
WireXpert - M12 D-coded connector for preLink® System Cat.5, 1 piece		HMSWXZC03
WireXpert - M12 X-coded connector for preLink® System Cat.6_A, 1 piece		HMSWXZC04
WireXpert - M12 D-coded socket for preLink® System Cat.5, 1 piece		HMSWXZC05
WireXpert - M12 X-coded socket for preLink® System Cat.6_A, 1 piece		HMSWXZC06
WireXpert - RJ45 exchangeable push-pull V14 connector for preLink® system, 1 piece		HMSWXZC07
WireXpert - RJ45 exchangeable HAN 3A connector for preLink® system, 1 piece		HMSWXZC08
WireXpert - Release tool for preLink® connectors, 5 pieces		HMSWXZCPLO
WireXpert - Cable kit for measuring M12 D-Coded systems for plugs and sockets		HMSWXZKIT2

Cable Certifier - Multimode Adapter


HMSWXZFM


HMSWXZFMTC


HMSWXZFMRC

Schrack-Info

New generation of multimode fiber optic adapters ensures standard-compliant certification

The attenuation and length of a fiber optic cable at 850 and 1300nm are measured using a light source and a power meter. The certification of multimode fibers has often proved problematic due to the associated uncertainties in the measurement process. Therefore, ISO/IEC and TIA have recently adopted an Encircled Flux (EF) standard that defines the excitation conditions for the light sources used in multimode meters. With the new EF-compliant adapters of the WireXpert, you receive guaranteed conformity to the EF standard IEC 61280-4-1.

DESCRIPTION	AVAILABLE	ORDER NO.
WireXpert - Multimode fiber optic measurement module set for certification testing of duplex fibers at 850/1300nm		HMSWXZFM
WireXpert - Multimode Reference Test Cable, 2 Mode Transparent FC-SC Reference Test Cable, 2 Duplex Reference Test Cable SC-SC		HMSWXZFMRC
WireXpert - LC Test Cable Kit for Encircled Flux Compatible Multimode Adapters		HMSWXZFMTC

Cable Certifier - Singlemode Adapter


HMSWXZFS

Schrack-Info

Singlemode fiber optic adapter for measuring optical attenuation and length

In a modern network infrastructure, both copper and fiber optic cables are laid at the same location. With the rapidly increasing bandwidth demand, certification plays a decisive role for guaranteed data rates. Acceptance measurement involves characterizing each individual fiber link by measuring insertion loss and length in accordance with the required standards. The WireXpert provides a fast and reliable way to determine the pass/fail criteria of the installation according to the applicable standards.

DESCRIPTION	AVAILABLE	ORDER NO.
WireXpert - Singlemode adapter, 2 fiber optic measuring adapters, 2 SC-Duplex reference test cables, 1 coupling (SC/SC), 1 cleaning kit		HMSWXZFS

Cable Certifier - Hard carrying case and accessory bag



HMSWXZHSK



HMSWXZCBAG

Schrack-Info

- Hard carrying case for cable certifiers. Provides space for the LOCAL and REMOTE units, as well as for a pair of Cat 6_A Link and Chanel adapters.
- Bag for WireXpert accessories. Compartments for 2 WireXpert adapters, small parts and measuring cables.

DESCRIPTION	AVAILABLE	ORDER NO.
Hard carrying case for WireXpert, made of high-strength polypropylene plastic, for rough building site use, inlay - black with storage compartments for various measuring adapter		HMSWXZHSK
WireXpert - Bag for WireXpert accessories, Compartments for 2 WireXpert adapters, small parts and measuring cables.		HMSWXZCBAG

Fluke CableAnalyzer™


HFLUKE0005


IT-LEIH


HFLUKE0003


HFLUKE0004

Schrack-Info

The Fluke Networks DSX CableAnalyzer series improves the efficiency of copper certification with unmatched speed for testing Cat 8 and Class F_A while meeting darft IEC Level VI – the most stringent accuracy requirement. The ProjX Management System helps ensure jobs are done correctly the first time and helps tracks progress from set-up to systems acceptance. Versiv platform supports modules for fiber testing (Both OLTS and OTDR) and Wi-Fi Analysis and Ethernet troubleshooting. The platform is easily upgradeable to support future standards. Troubleshoot faults faster with the Taptive user interface which graphically displays the source of failures including crosstalk, return loss and Shield faults. Analyze test results and create professional test reports using LinkWare™ Management Software.

Fluke Networks DSX-8000 CableAnalyzer is compliant with ANSI / TIA-1152-A Level 2G and standard design IEC 61935-1 Ed. 5 Level VI Precision requirements for field meters up to 2000 MHz.

Fluke Networks DSX-5000 CableAnalyzer is Intertek (ETL) Verified in accordance with the IEC-61935-1 specifications for accuracy Level IV, and draft accuracy Level V, and in accordance with the ANSI/TIA-1152 specifications for Level IIIe.

The DSX-600 from Fluke Networks provides essential Cat 6_A and Class E_A Copper Certification featuring ten second test times and advanced user interface. Manage jobs and testers from any smart device over Wi-Fi with LinkWare™ Live. Features legendary Fluke Networks reliability backed by worldwide support.



Fluke CableAnalyzer™

SCHRACK Article number	HFLUKE0003 / HFLUKE0004	HFLUKE0002	HFLUKE0005
Fluke designation	DSX-602 / DSX-602-PRO	DSX2-5000	DSX2-8000
Description	Essential Cat.6A and Class E_A copper tester	Cat.6A and Class F_A copper tester	Fastest, most accurate Cat 8 and Class I/II copper cable tester
Cat 3 – Cat.6A / Class E_A	✓	✓	✓
Class F_A		✓	✓
Cat 8 / Class I/II			✓
Maximum Frequency	500MHz	1000MHz	2000MHz
Autotest Time	10 sec Class E_A / Cat.6A	10 sec Class E_A / Cat.6A	16 sec Cat 8 / Class I/II
	9 sec Class E / Cat 6	9 sec Class E / Cat 6	8 sec Class E_A / Cat.6A
			7 sec Class E / Cat 6
Shield Integrity Test	✓	✓	✓
Internal Memory	≈ 12,000 Cat.6A with plots	≈ 12,000 Cat.6A with plots	≈ 12,000 Cat.6A with plots
Battery Life	≈ 8 Hours	≈ 8 Hours	≈ 8 Hours
Cable Identifier Length	60 characters	60 characters	60 characters
Permanent Link Adapter	Optional	✓	✓
ProjX™ Project Management	✓	✓	✓
Taptive™ Gesture-based User Interface	✓	✓	✓
Advanced Fault Info Troubleshooting	Limited – (HDTDR and HDTDX)	✓	✓
PoE Resistance Unbalance		✓	✓
Integrated Alien Crosstalk Capability		✓	✓
LinkWare™ Professional Reports	✓	✓	✓
LinkWare™ Live capable	✓	✓	✓
TCL Measurement		✓	✓
Coax Adapters	o	o	o
M12 Adapters	o	o	o
Patch Cord Adapters		o	o
Fiber – OLTS, OTDR and Inspection		o	o

o = optional accessories

DESCRIPTION	AVAILABLE	ORDER NO.
Fluke Cable Analyzer DSX2-8000 INTL Cat.8		HFLUKE0005
Fluke Cable Analyzer DSX2-5000 INTL		HFLUKE0002
Fluke Cable Analyzer DSX-602-PRO INTL		HFLUKE0004
Fluke Cable Analyzer DSX-602 INTL		HFLUKE0003

Rental Fee for Network Tester



IT-LEIH



IT-LEIH

Schrack-Info

In some of our Schrack STOREs, we offer our customers the possibility to rent a Cable Analyzer for Class D, Class E, Class Ea, Class F and Class Fa.

DESCRIPTION	AVAILABLE	ORDER NO.
Rental Fee for Network Tester per day		IT-LEIH

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