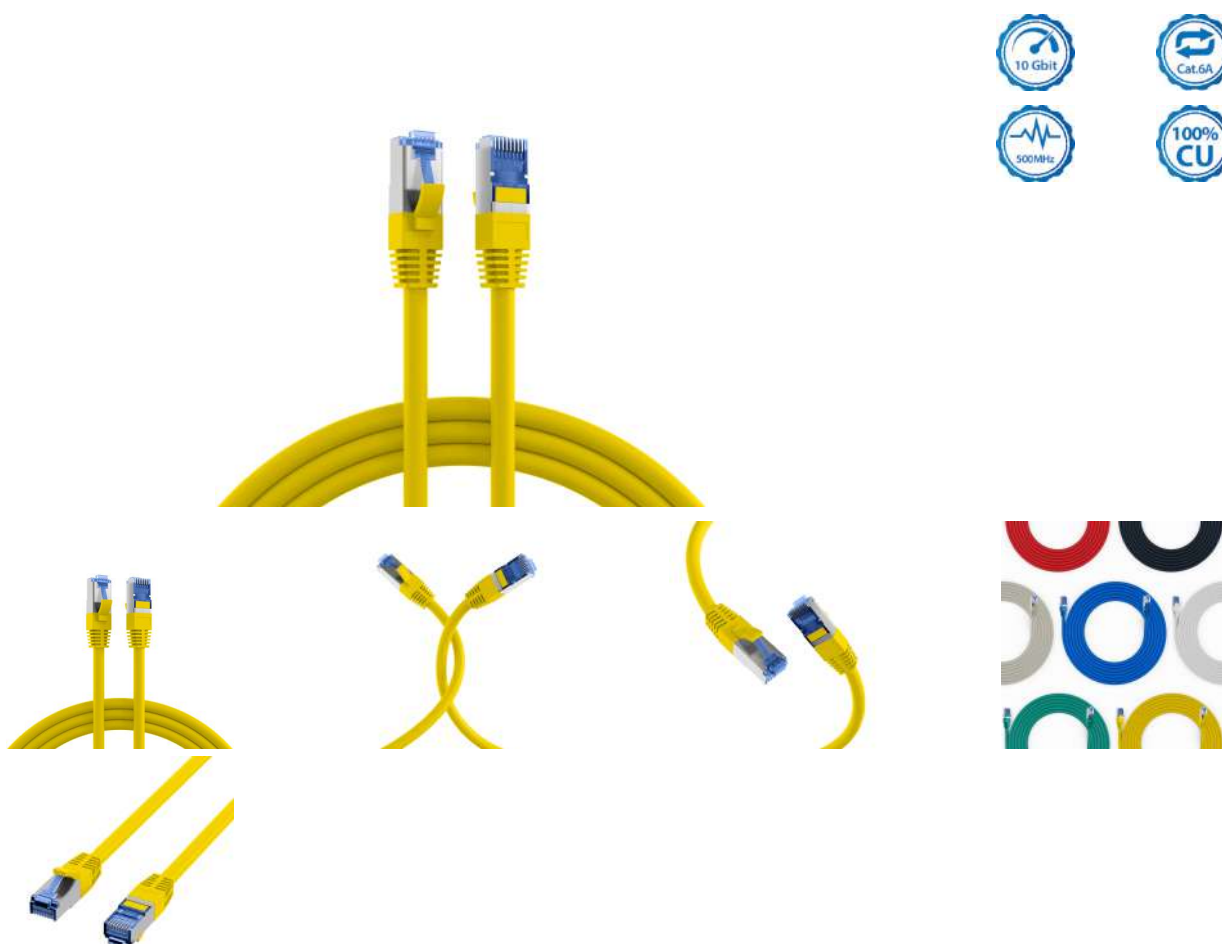


DATASHEET

RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex yellow 15m



General data

RJ45 patch cable Cat.6A S/FTP TPE Cat.7 raw cable superflex

The Cat.6A (IEC) patch cable has gold-plated contacts and enables 10Gbit Ethernet as a transmission standard.

Technical product features

- Cat.6A (IEC)
- S/FTP cable with AWG26/7
- Sheath material made of halogen-free TPE/LSZH
- Fire protection: flame-retardant, halogen-free, low smoke
- Plug connection: RJ45 to RJ45
- With locking lever protection

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- Has gold-plated contacts

The jacket of the shielded patch cable is made of halogen-free TPE/LSZH material and has a length imprint on the grommet. In addition, the cable offers the option of power supply via PoE according to IEEE802.3af, PoE+ according to IEEE802.3at and 4PPoE according to IEEE802.3bt.

The assignment of the blue RJ45 plugs is according to TIA/EIA 568B and is 1: 1. Suitable for the extended temperature range -20 - 75 °C.

The LAN cable has a conductor material made of copper and is ideal for applications in structured building cabling, industrial Ethernet and in data centers. This enables a bandwidth of up to 500 MHz.

Technical properties

AWG-size	26/7
Allocation	acc. TIA/EIA 568B
Anti-kink sleeve	moulded-on
Area of application	Data center
Bending radius	>32,5 mm
Cable construction	4x2
Cable shape	rund
Cable type	S/FTP
Cabling standard	ANSI/TIA-568
Category	6A (IEC)
Colour anti-kink sleeve	yellow
Colour outer sheath	yellow
Conductive shield	360° shield contact
Conductor Material	Copper
Conductor resistance DC	142 Ω/km
Connector	IEC 60603-7-51
Connector type	RJ45 standard blue
Contact Resistance	30 mΩ
Contacts	Gold plated
Current capacity	max. 1 A
Fire retardant version	acc. IEC60332-1
Halogen free	acc. IEC60754-2
Harmonised Standard	EN 50575
Impedance	100 ±25 Ω
Insulation Resistance	100 MΩ

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Jacket material	TPE/LSZH
Length imprint	True
Locking lever	True
Loop resistance	284 Ω /km
Low smoke	acc. IEC61034
Mating cycles	≥ 750
Model	shielded
Oil resistant	no
Operating Temperature	-20 - 75 °C
Operating-/ tempering voltage	max. 50 V DC
Outer diameter of the cable	6.5 mm
Ozone resistance	No
Pin assignment	1:1
Printing	SFTP 300 CAT.5E 26AWGX4P PATCH ISO/IEC 11801 & EN 50173 VERIFIED www.efb-elektronik.de
Raw cable	Cat.7
Resistance unbalance	$\leq 2 \%$
Resistant to chemicals	False
Silicone-free	True
Suitable for degree of protection (IP)	IP20
Tape width	500MHz
Test voltage	1000 (V DC, 1min) core/core und core/screen
Transmission	10Gbit
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)
UL approbated	False
UV resistant	no

Available variants

ArtNr.	Bezeichnung	Length POE class		Length tolerance
K5525FGE.0,15	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex yellow 0,15m	0.15 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	$\pm 5 \%$
K5525FGE.0,25	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex yellow 0,25m	0.25 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	$\pm 5 \%$

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K5525FGE.0,5	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex yellow 0,5m	0.5 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5525FGE.1	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex yellow 1m	1.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5525FGE.1,5	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex yellow 1,5m	1.5 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5525FGE.2	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex yellow 2m	2.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5525FGE.3	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex yellow 3m	3.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5525FGE.5	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex yellow 5m	5.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5525FGE.7,5	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex yellow 7,5m	7.5 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5525FGE.10	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex yellow 10m	10.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5525FGE.15	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex yellow 15m	15.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5525FGE.20	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex yellow 20m	20.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5525FGE.25	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex yellow 25m	25.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at	±5 %
K5525FGE.30	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex yellow 30m	30.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at	±5 %

Drawings

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