

DATASHEET

RJ45 Patch Cord Cat.6A S/FTP TPE black 10m



General data

RJ45 patch cable Cat.6A S/FTP TPE

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

Technical product properties

- Cat.6A (TIA)
- S/FTP cable with AWG26/7
- Jacket material made of halogen-free TPE/LSZH
- Fire protection: flame-retardant, halogen-free, low-smoke
- Jacket properties: UV-resistant
- Plug connection: RJ45 to RJ45
- With locking lever protection
- Has gold-plated contacts

The jacket of the shielded patch cable is made of halogen-free TPE/LSZH material. The cable also offers the option of power supply via PoE according to IEEE802.3af, PoE+ according to IEEE802.3at and 4PPoE according to IEEE802.3bt.

The RJ45 connectors are assigned 1:1 and in accordance with TIA/EIA 568B. Suitable for the extended temperature range of -40 – 80 °C.

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The LAN cable has a copper conductor and is ideal for use in structured building cabling, Industrial Ethernet and in data centers. The bandwidth is 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	>31 mm
Cable construction	4x2
Cable shape	rund
Cable type	S/FTP
Cabling standard	ANSI/TIA-568
Category	6A (TIA)
Colour anti-kink sleeve	black
Colour outer sheath	black
Conductive shield	360° shield contact
Conductor Material	Copper
Conductor resistance DC	142 Ω /km
Connector	IEC 60603-7-51
Connector type	RJ45 standard
Contact Resistance	< 20 m Ω
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 $\pm$ 15 Ω
Insulation Resistance	100 M Ω
Jacket material	TPE/LSZH
Length imprint	False
Locking lever	True
Loop resistance	284 Ω /km
Low smoke	acc. IEC61034
Mating cycles	$\geq$ 750
Model	shielded
Oil resistant	no
Operating Temperature	-40 – 80 °C

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Operating-/ tempering voltage	max. 50 V DC
Outer diameter of the cable	6.2 mm
Ozone resistance	No
Pin assignment	1:1
Printing	E132276-C (UL) CM 75° 4PR 26AWG CSA LL64151-C CMG 75°C FT4 Cat.6(A) SSTP PATCH CORD
Resistant to chemicals	False
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	True

Available variants

ArtNr.	Bezeichnung	Length POE class		Length tolerance
K5538SW.1	RJ45 Patch Cord Cat.6A S/FTP TPE black 1m	1.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5538SW.2	RJ45 Patch Cord Cat.6A S/FTP TPE black 2m	2.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5538SW.3	RJ45 Patch Cord Cat.6A S/FTP TPE black 3m	3.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5538SW.5	RJ45 Patch Cord Cat.6A S/FTP TPE black 5m	5.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at	±5 %
K5538SW.7,5	RJ45 Patch Cord Cat.6A S/FTP TPE black 7,5m	7.5 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5538SW.10	RJ45 Patch Cord Cat.6A S/FTP TPE black 10m	10.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5538SW.15	RJ45 Patch Cord Cat.6A S/FTP TPE black 15m	15.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5538SW.20	RJ45 Patch Cord Cat.6A S/FTP TPE black 20m	20.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K5538SW.30	RJ45 Patch Cord Cat.6A S/FTP TPE black 30m	30.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at	±5 %