

DATASHEET

RJ45 Patch Cord Cat.6A S/FTP PUR Cat.7 raw cable TM31 black 7,5m



General data

RJ45 patch cable Cat.6A S/FTP PUR Cat.7 raw cable TM31

The Cat.6A (TIA) patch cable has gold-plated contacts and meets the requirements for 10Gbit Ethernet.

Technical product properties

- Cat.6A (TIA)
- S/FTP cable with AWG26/7
- Sheath material made of polyurethane (PUR)
- Sheath properties: UV-resistant
- Plug connection: RJ45 to RJ45
- With locking lever protection
- Has gold-plated contacts

The sheath of the shielded patch cable is made of polyurethane (PUR) 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 assignment of the yellow TM31 plugs is according to TIA/EIA 568B and is 1: 1.

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The data cable has a conductor material made of copper and is ideal for use in structured building cabling, Industrial Ethernet and in data centers. A frequency range of 500 MHz is achieved.

Technical properties	
AWG-size	26/7
Allocation	acc. TIA/EIA 568B
Anti-kink sleeve	put-on
Area of application	Data center
Bending radius	>25 mm
Cable construction	4x2
Cable shape	rund
Cable type	S/FTP
Cable type acc. to Manufacturer	Draka Patch Pro flex Cat 7
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	125 Ω /km
Connector	IEC 60603-7-51
Connector type	TM31 yellow
Contact Resistance	< 20 m Ω
Contacts	Gold plated
Current capacity	max. 1 A
Fire retardant version	acc. IEC60332-1
Halogen free	No
Harmonised Standard	EN 50575
Impedance	100 $\pm$ 5 Ω
Insulation Resistance	500 M Ω
Jacket material	Polyurethan (PUR)
Length imprint	False
Locking lever	True
Loop resistance	250 Ω /km
Mating cycles	$\geq$ 750
Model	shielded
NVP value	75

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Oil resistant	no
Operating Temperature	-20 - 60 °C
Operating-/ tempering voltage	max. 50 V DC
Outer diameter of the cable	6.4 mm
Ozone resistance	No
Pin assignment	1:1
Printing	Cat.6A PREMIUM Patchcord U/UTP 4x2xAWG24/7 ISO/IEC11801 TIA/EIA-568-C.2 ***10Gigabit Ethernet***
Raw cable	Cat.7
Resistance unbalance	≤ 2 %
Resistant to chemicals	False
Suitable for degree of protection (IP)	IP20
Tape width	500MHz
Temperature Range (Installation)	0 - 50 °C
Temperature Range (Operation)	-20 - 60 °C
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
K3130.0,5	RJ45 Patch Cord Cat.6A S/FTP PUR Cat.7 raw cable TM31 black 0,5m	0.5 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K3130.1	RJ45 Patch Cord Cat.6A S/FTP PUR Cat.7 raw cable TM31 black 1m	1.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K3130.1,5	RJ45 Patch Cord Cat.6A S/FTP PUR Cat.7 raw cable TM31 black 1,5m	1.5 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K3130.2	RJ45 Patch Cord Cat.6A S/FTP PUR Cat.7 raw cable TM31 black 2m	2.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K3130.3	RJ45 Patch Cord Cat.6A S/FTP PUR Cat.7 raw cable TM31 black 3m	3.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K3130.5	RJ45 Patch Cord Cat.6A S/FTP PUR Cat.7 raw cable TM31 black 5m	5.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %

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K3130.7,5	RJ45 Patch Cord Cat.6A S/FTP PUR Cat.7 raw cable TM31 black 7,5m	7.5 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at	±5 %
K3130.10	RJ45 Patch Cord Cat.6A S/FTP PUR Cat.7 raw cable TM31 black 10m	10.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K3130.15	RJ45 Patch Cord Cat.6A S/FTP PUR Cat.7 raw cable TM31 black 15m	15.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K3130.20	RJ45 Patch Cord Cat.6A S/FTP PUR Cat.7 raw cable TM31 black 20m	20.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K3130.25	RJ45 Patch Cord Cat.6A S/FTP PUR Cat.7 raw cable TM31 black 25m	25.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K3130.30	RJ45 Patch Cord Cat.6A S/FTP PUR Cat.7 raw cable TM31 black 30m	30.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at	±5 %
K3130.50	RJ45 Patch Cord Cat.6A S/FTP PUR Cat.7 raw cable TM31 black 50m	50.0 m	No	±5 %