

DATASHEET

RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex grey 0,25m



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.

Allgemeine Daten	
Suitable for degree of protection (IP)	IP20
Fire retardant version	True
Length imprint	True
AWG-size	26/7
Model	shielded

General data	
Bending radius	>32,5 mm
Connector type	RJ45 standard blue
Cable type	S/FTP
Pin assignment	1:1
Locking lever	True
Colour anti-kink sleeve	grey
Allocation	acc. TIA/EIA 568B
Area of Application	Industrial Ethernet
Colour outer sheath	grey
Contacts	Gold plated μ" gold plated
Category	6A (IEC)
Anti-kink sleeve	moulded-on
(Halogenfree)	True

Mechanical characteristics	
Conductive shield	360° shield contact
Mating cycles	≥750

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Cable construction

Raw cable	Cat.7
Conductor Material	Copper

Kabelaufbau

Type of connector connection 2	RJ45 8(8)
Type of connector connection 1	RJ45 8(8)
Cable construction	4x2

Cable sheath

Oil resistant (according to EN 60811-404)	False
Flame-retardant	acc. IEC60332-1
Oil resistant	No
Silicone-free	True
Jacket Material	TPE/LSZH
Low smoke	acc. IEC61034

Kabelmantel

Outer diameter of the cable	6.5 mm
Halogen-free	acc. IEC60754-2
Printing	Cat.6A Patchcord SUPERFLEX S/FTP www.efb-elektronik.de
Ozone resistance	No
Resistant to chemicals	False

Environmental conditions

Temperature range	-20 - 75 °C
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Electrical characteristics

Resistance unbalance	2 %
NVP value	0 %
Loop resistance	284 Ω/km
Conductor resistance DC	142 Ω/km
Contact Resistance	30 mΩ
Current Rating	max. 1 A

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Insulation Resistance	100 MΩ
Impedance	100 ±25 Ω

Elektrische Eigenschaften

Test voltage	1000 (V DC, 1min) core/core und core/screen
Operating-/ tempering voltage	max. 50 V DC

Übertragungstechnische Eigenschaften

Transmission	10Gbit
Bandwidth	500MHz

Standards, approvals, certifications

Cabling Standard	EN50173
Oil resistant (acc. EN 60811-2-1)	False
Connector	IEC 60603-7-51

Available variants

ArtNr.	Bezeichnung	Length POE Klasse		Längentoleranz
K5525FGR.0,15	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex grey 0,15m	0.15 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at;4PPoE nach IEEE802.3bt	±5 %
K5525FGR.0,25	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex grey 0,25m	0.25 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at;4PPoE nach IEEE802.3bt	±5 %
K5525FGR.0,5	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex grey 0,5m	0.5 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at;4PPoE nach IEEE802.3bt	±5 %
K5525FGR.1	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex grey 1m	1.0 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at;4PPoE nach IEEE802.3bt	±5 %
K5525FGR.1,5	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex grey 1,5m	1.5 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at;4PPoE nach IEEE802.3bt	±5 %
K5525FGR.2	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex grey 2m	2.0 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at;4PPoE nach IEEE802.3bt	±5 %
K5525FGR.3	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex grey 3m	3.0 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at;4PPoE nach IEEE802.3bt	±5 %
K5525FGR.5	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex grey 5m	5.0 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at;4PPoE nach IEEE802.3bt	±5 %

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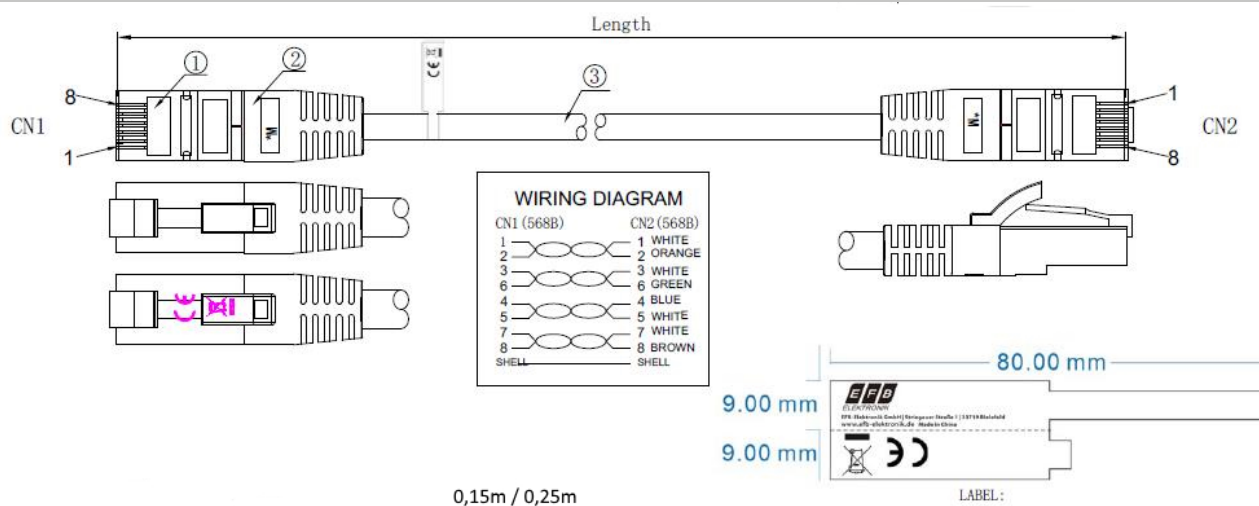


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K5525FGR.7,5	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex grey 7,5m	7.5 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at;4PPoE nach IEEE802.3bt	±5 %
K5525FGR.10	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex grey 10m	10.0 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at;4PPoE nach IEEE802.3bt	±5 %
K5525FGR.15	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex grey 15m	15.0 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at;4PPoE nach IEEE802.3bt	±5 %
K5525FGR.20	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex grey 20m	20.0 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at;4PPoE nach IEEE802.3bt	±5 %
K5525FGR.25	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex grey 25m	25.0 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at	±5 %
K5525FGR.30	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex grey 30m	30.0 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at	±5 %

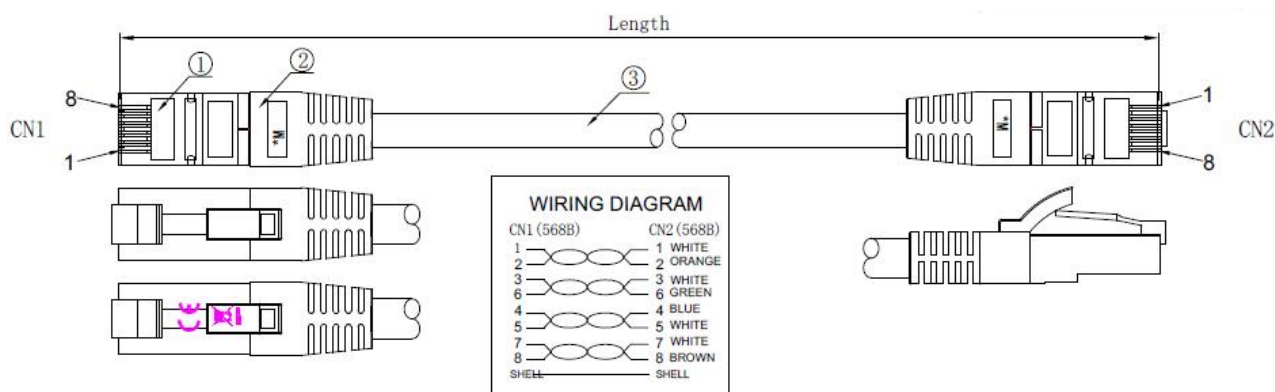
Drawings



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