

DATASHEET

RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 3m



General data

RJ45 patch cable Cat.6A S/FTP PVC UL

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

Technical product properties

- Cat.6A (TIA)
- S/FTP cable with AWG26/7
- Sheath material made of polyvinyl chloride (PVC)
- Fire protection: flame retardant
- Plug connection: RJ45 to RJ45
- With locking lever protection
- Has gold-plated contacts
- UL number of the assembly E337615

The sheath of the shielded patch cable is made of polyvinyl chloride (PVC) material. 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 blue RJ45 connectors are assigned according to TIA/EIA 568B and are 1:1.

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The network cable has a copper conductor material and is ideal for use 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	False
UV resistance	no
AWG-size	26/7
Model	shielded

General data	
UL approbated	True
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
Anti-kink sleeve	moulded-on
Category	6A (TIA)
(Halogenfree)	False
Bending radius	>31 mm

Mechanical characteristics	
Conductive shield	Selected shield contact
Mating cycles	≥750

Cable construction

Conductor Material	Copper
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Kabelaufbau

Type of connector connection 2	RJ45 8(8)
Type of connector connection 1	RJ45 8(8)

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Cable construction	4x2
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Cable sheath

Oil resistant (according to EN 60811-404)	False
Flame-retardant	acc. IEC60332-1
Jacket Material	Polyvinylchlorid (PVC)
Oil resistant	No

Kabelmantel

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

Umgebungsbedingungen

Temperature Range (Storage)	-25 - 70 °C
Temperature Range (Installation)	-10 - 50 °C
Temperature Range (Operation)	-25 - 60 °C

Electrical characteristics

NVP value	0 %
Loop resistance	284 Ω/km
Contact Resistance	30 MΩ
Conductor resistance DC	142 Ω/km
Impedance	100 ±15 Ω
Current Rating	max. 1 A
Insulation Resistance	100 MΩ

Elektrische Eigenschaften

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

Übertragungstechnische Eigenschaften

Transmission	10Gbit
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Bandwidth	500MHz
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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
K5535GR.0,5	RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 0,5m	0.5 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at;4PPoE nach IEEE802.3bt	±5 %
K5535GR.1	RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 1m	1.0 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at;4PPoE nach IEEE802.3bt	±5 %
K5535GR.2	RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 2m	2.0 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at;4PPoE nach IEEE802.3bt	±5 %
K5535GR.3	RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 3m	3.0 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at;4PPoE nach IEEE802.3bt	±5 %
K5535GR.5	RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 5m	5.0 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at;4PPoE nach IEEE802.3bt	±5 %
K5535GR.7,5	RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 7,5m	7.5 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at;4PPoE nach IEEE802.3bt	±5 %
K5535GR.10	RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 10m	10.0 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at;4PPoE nach IEEE802.3bt	±5 %
K5535GR.15	RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 15m	15.0 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at;4PPoE nach IEEE802.3bt	±5 %
K5535GR.20	RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 20m	20.0 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at;4PPoE nach IEEE802.3bt	±5 %
K5535GR.30	RJ45 Patch Cord Cat.6A S/FTP PVCUL grey 30m	30.0 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at	±5 %

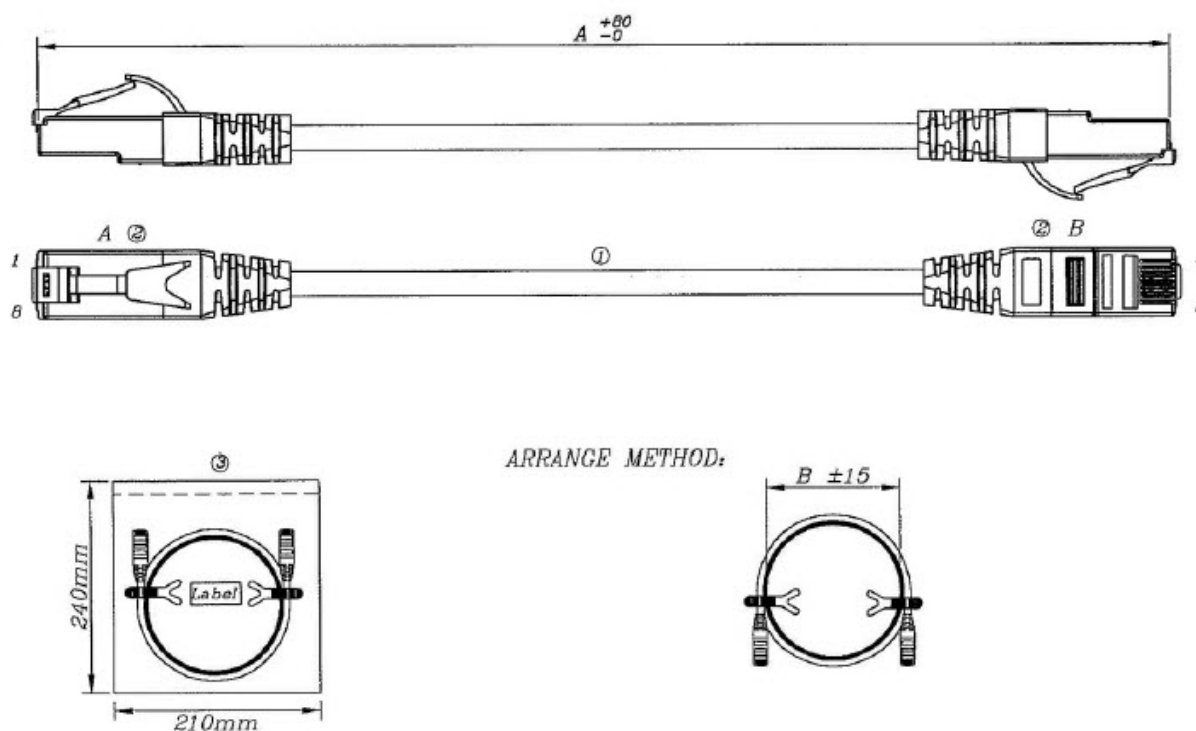
Drawings

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