

DATASHEET

RJ45 Patch cable U/FTP, Cat.6A, Raw cable TPE 4,0mm ultraflex, 1m, grey



General data

The shielded Cat.6A RJ45 patch cable ensures excellent performance for **10 Gigabit** Ethernet applications. The **TPE** outer sheath makes the cable **highly flexible** and thus easier to handle. The moulded grommet captivates with its **slim design** and simplifies the plugging process in cramped conditions. The **short connector** in combination with the **thin outer jacket** enables a very **high packing density**.

Cross section: 4 x 2 x **AWG30/7**

Cable diameter: **4,0mm**

Cable structure: U/FTP

Allgemeine Daten

Connector type	RJ45 short version
Suitable for degree of protection (IP)	IP20
Pin assignment	1:1
Locking lever	True
Colour anti-kink sleeve	grey
Fire retardant version	True
Model	Shielded
Contacts	Gold plated
Allocation	acc. TIA/EIA 568B
Cable type	U/FTP
Area of Application	Industrial Ethernet
Colour outer sheath	grey
Anti-kink sleeve	plugged in
Current Rating	max. 1 A
Material outer sheath	TPE/LSZH
Halogen free	True
Category	6A (TIA)

Mechanische Eigenschaften

Conductive shield	Selected shield contact
Bending radius	>16 mm

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Mating cycles	2000
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Kabelaufbau

Type of connector connection 2	RJ45 8(8)
AWG-size	30/7
Type of connector connection 1	RJ45 8(8)
Conductor Material	Copper
Cable construction	4x2

Kabelmantel

Printing	Cat.6A Patchcord ULTRAFLEX U/FTP TPE 10G
Low smoke	True
Oil resistant (according to EN 60811-404)	False
Outer diameter of the cable	4.0 mm
Silicone-free	True

Umgebungsbedingungen

Temperature range	-20 - 75 °C
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Elektrische Eigenschaften

Loop resistance	752 Ω/km
Test voltage	1000 V DC, 1min
Impedance	100 ±15 Ω
Conductor resistance DC	376 Ω/km
Resistance unbalance	< 4 %
Contact Resistance	< 20 mΩ
POE class	PoE+ acc. to IEEE802.3at
Operating-/ tempering voltage	max. 50 V DC
NVP value	76 %
Insulation Resistance	100 MΩ

Übertragungstechnische Eigenschaften

Bandwidth	500MHz
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Normen, Zulassungen, Zertifizierungen

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

Available variants

ArtNr.	Bezeichnung	Length	Längentoleranz
K5547GR.0,15	RJ45 Patch cable U/FTP, Cat.6A, Raw cable TPE 4,0mm ultraflex, 0,15m, grey	0.15 m	±5 %
K5547GR.0,25	RJ45 Patch cable U/FTP, Cat.6A, Raw cable TPE 4,0mm ultraflex, 0,25m, grey	0.25 m	±5 %
K5547GR.0,5	RJ45 Patch cable U/FTP, Cat.6A, Raw cable TPE 4,0mm ultraflex, 0,5m, grey	0.5 m	±5 %
K5547GR.1	RJ45 Patch cable U/FTP, Cat.6A, Raw cable TPE 4,0mm ultraflex, 1m, grey	1.0 m	±5 %
K5547GR.1,5	RJ45 Patch cable U/FTP, Cat.6A, Raw cable TPE 4,0mm ultraflex, 1,5m, grey	1.5 m	±5 %
K5547GR.2	RJ45 Patch cable U/FTP, Cat.6A, Raw cable TPE 4,0mm ultraflex, 2m, grey	2.0 m	±5 %
K5547GR.3	RJ45 Patch cable U/FTP, Cat.6A, Raw cable TPE 4,0mm ultraflex, 3m, grey	3.0 m	±5 %
K5547GR.5	RJ45 Patch cable U/FTP, Cat.6A, Raw cable TPE 4,0mm ultraflex, 5m, grey	5.0 m	±5 %

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