

DATASHEET

RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 15m, yellow



General data

The shielded Cat.6A RJ45 patch cable with **component certification** from the GHMT 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 thus simplifies the insertion process in cramped conditions.

Very flexible TPE/LSZH outer sheath superflex

Cross section 4 x 2 x AWG26 / 7

Moulded grommet, slim design

Length imprint on the boot

Allgemeine Daten

Connector type	RJ45 Standard blue
Suitable for degree of protection (IP)	IP20
Cable type	S/FTP
Pin assignment	1:1
Locking lever	True
Fire retardant version	True

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Model	Shielded
Colour outer sheath	yellow
Allocation	acc. TIA/EIA 568B
Colour anti-kink sleeve	yellow
Area of Application	Industrial Ethernet
Length imprint	True
Anti-kink sleeve	plugged in
Category	6A (IEC)
Current Rating	max. 1 A
Contacts	50 µ" gold plated
Material outer sheath	TPE/LSZH
Halogen free	True

Mechanische Eigenschaften

Conductive shield	360° shield contact
Bending radius	>32.5 mm
Mating cycles	2000

Kabelaufbau

Raw cable	Cat.7
Type of connector connection 2	RJ45 8(8)
Type of connector connection 1	RJ45 8(8)
Conductor Material	Copper
AWG-size	26/7
Cable construction	4x2

Kabelmantel

Outer diameter of the cable	6.5 mm
Oil resistant (according to EN 60811-404)	False
Halogen-free	yes
Printing	Cat.6A Patchcord SUPERFLEX S/FTP
Silicone-free	True
Low smoke	acc. IEC61034

Umgebungsbedingungen

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Temperature range	-20 - 75 °C
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Elektrische Eigenschaften

Resistance unbalance	2 %
Loop resistance	284 Ω/km
Conductor resistance DC	142 Ω/km
NVP value	- %
Test voltage	1000 V DC, 1min
Contact Resistance	30 mΩ
POE class	PoE+ acc. to IEEE802.3at
Operating-/ tempering voltage	max. 50 V DC
Insulation Resistance	100 MΩ
Impedance	100 ±25 Ω

Übertragungstechnische Eigenschaften

Transmission	10Gbit
Bandwidth	500MHz

Normen, Zulassungen, Zertifizierungen

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

Available variants

ArtNr.	Bezeichnung	Length Längentoleranz	
K5525FGE.0,15	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 0,15m, yellow	0.15 m	±5 %
K5525FGE.0,25	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 0,25m, yellow	0.25 m	±5 %
K5525FGE.0,5	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 0,5m, yellow	0.5 m	±5 %
K5525FGE.1	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 1m, yellow	1.0 m	±5 %
K5525FGE.1,5	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 1,5m, yellow	1.5 m	±5 %
K5525FGE.2	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 2m, yellow	2.0 m	±5 %
K5525FGE.3	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 3m, yellow	3.0 m	±5 %
K5525FGE.5	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 5m, yellow	5.0 m	±5 %
K5525FGE.7,5	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 7,5m, yellow	7.5 m	±5 %

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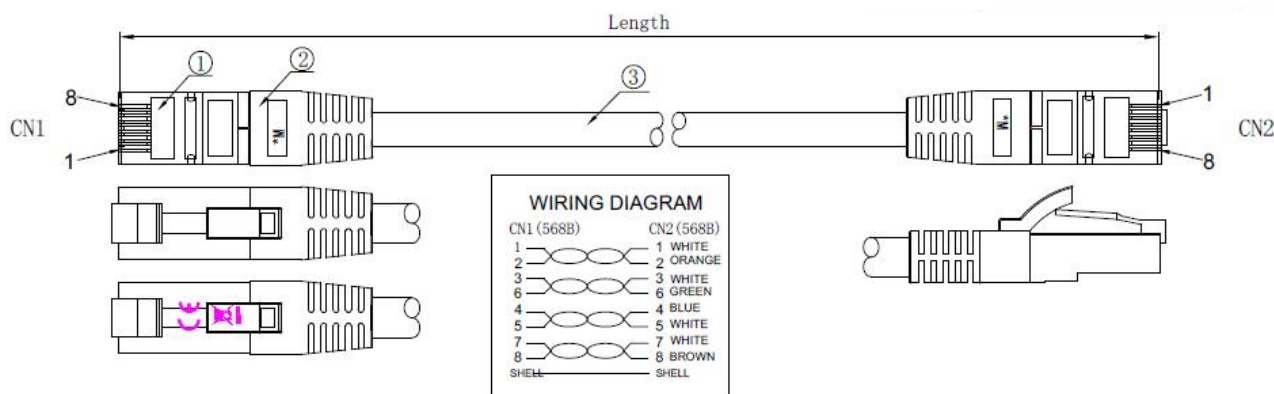
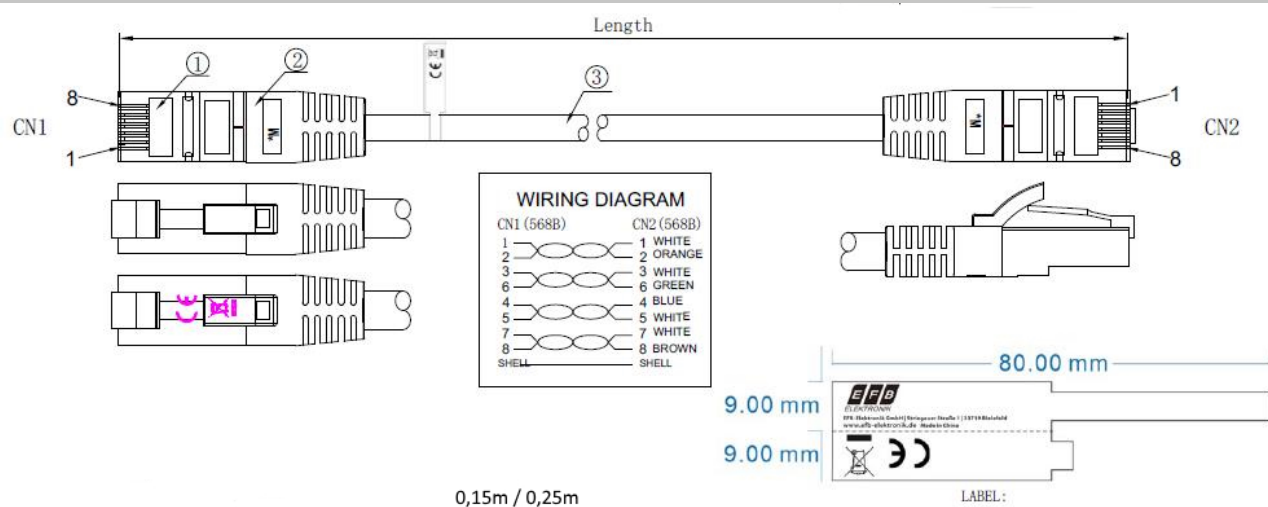


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K5525FGE.10	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 10m, yellow	10.0 m	±5 %
K5525FGE.15	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 15m, yellow	15.0 m	±5 %
K5525FGE.20	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 20m, yellow	20.0 m	±5 %
K5525FGE.25	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 25m, yellow	25.0 m	±5 %
K5525FGE.30	RJ45 Patch cable S/FTP, Cat.6A, Cat.7 Raw cable TPE superflex, 30m, yellow	30.0 m	±5 %

Drawings



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