

# DATASHEET

## RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex green 1m



### 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
Colour anti-kink sleeve	green
Suitable for degree of protection (IP)	IP20
Cable type	S/FTP
Pin assignment	1:1
Locking lever	True

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

### Mechanische Eigenschaften

Conductive shield	360° shield contact
Mating cycles	≥750
Bending radius	>32.5 mm

### 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
Halogen-free	acc. IEC60754-2
Oil resistant (according to EN 60811-404)	False
Printing	Cat.6A Patchcord SUPERFLEX S/FTP www.efb-elektronik.de
Silicone-free	True
Low smoke	acc. IEC61034

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### Umgebungsbedingungen

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
K5525FGN.0,15	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex green 0,15m	0.15 m	±5 %
K5525FGN.0,25	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex green 0,25m	0.25 m	±5 %
K5525FGN.0,5	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex green 0,5m	0.5 m	±5 %
K5525FGN.1	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex green 1m	1.0 m	±5 %
K5525FGN.1,5	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex green 1,5m	1.5 m	±5 %
K5525FGN.2	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex green 2m	2.0 m	±5 %
K5525FGN.3	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex green 3m	3.0 m	±5 %
K5525FGN.5	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex green 5m	5.0 m	±5 %
K5525FGN.7,5	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex green 7,5m	7.5 m	±5 %

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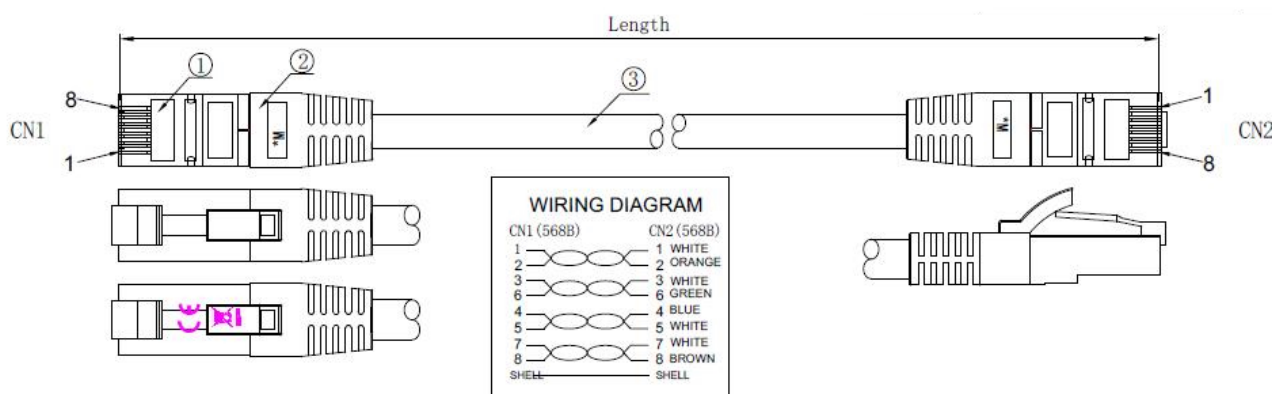
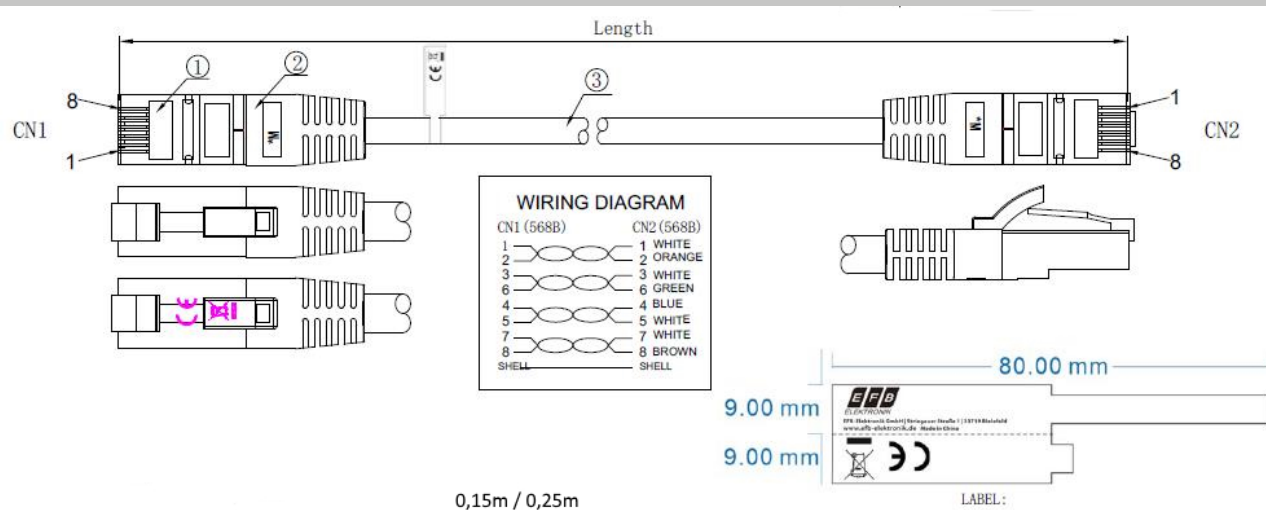


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## RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex green 1m

K5525FGN.10	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex green 10m	10.0 m	±5 %
K5525FGN.15	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex green 15m	15.0 m	±5 %
K5525FGN.20	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex green 20m	20.0 m	±5 %
K5525FGN.25	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex green 25m	25.0 m	±5 %
K5525FGN.30	RJ45 Patch Cord Cat.6A S/FTP TPE Cat.7 raw cable superflex green 30m	30.0 m	±5 %

### Drawings



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