

# DATASHEET

## RJ45 Patch cable S/FTP, Cat.6, LSZH, 50m, black



### General data

The shielded Cat.6 RJ45 patch cable with ensures excellent performance for 5 Gigabit Ethernet applications.

Cross section 4 x 2 x AWG27/7

Moulded grommet (**patented**)

**Length imprint on the boot**

### Allgemeine Daten

Colour outer sheath	black
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
Material outer sheath	LSZH
Contacts	Gold plated
Allocation	acc. TIA/EIA 568B
Connector type	RJ45 Standard
Area of Application	Industrial Ethernet
Length imprint	True
Anti-kink sleeve	plugged in
Current Rating	max. 1 A
Halogen free	True
Colour anti-kink sleeve	black
Category	6

### Mechanische Eigenschaften

Conductive shield	Selected shield contact
Mating cycles	2000
Bending radius	>31 mm

### Kabelaufbau

Type of connector connection 2	RJ45 8(8)
AWG-size	27/7
Type of connector connection 1	RJ45 8(8)
Conductor Material	Copper
Cable construction	4x2

### Kabelmantel

Low smoke	True
Oil resistant (according to EN 60811-404)	False
Flame retardant	acc. IEC60332-1
Outer diameter of the cable	6.2 mm
Printing	Cat.6 S/FTP 4x2xAWG27/7 PIMF ISO/IEC 11801 & EN50173-1 TIA/EIA 568B.2-1 Halogen Free ***Gigabit***
Silicone-free	True
Halogen-free	True

### Umgebungsbedingungen

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Temperature range	0 - 60 °C
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### Elektrische Eigenschaften

Insulation Resistance	10 MΩ
NVP value	- %
Loop resistance	370 Ω/km
Contact Resistance	30 mΩ
Conductor resistance DC	185 Ω/km
POE class	PoE+ acc. to IEEE802.3at
Operating-/ tempering voltage	max. 50 V DC
Resistance unbalance	5 %

### Übertragungstechnische Eigenschaften

Bandwidth	250MHz
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### Normen, Zulassungen, Zertifizierungen

Oil resistant (acc. EN 60811-2-1)	False
Connector	IEC 60603-7-5

### Available variants

ArtNr.	Bezeichnung	Length	Längentoleranz
K5515.0,15	RJ45 Patch cable S/FTP, Cat.6, LSZH, 0.15m, black	0.15 m	±5 %
K5515.0,25	RJ45 Patch cable S/FTP, Cat.6, LSZH, 0.25m, black	0.25 m	±5 %
K5515.0,5	RJ45 Patch cable S/FTP, Cat.6, LSZH, 0.5m, black	0.5 m	±5 %
K5515.1	RJ45 Patch cable S/FTP, Cat.6, LSZH, 1m, black	1.0 m	±5 %
K5515.1,5	RJ45 Patch cable S/FTP, Cat.6, LSZH, 1.5m, black	1.5 m	±5 %
K5515.2	RJ45 Patch cable S/FTP, Cat.6, LSZH, 2m, black	2.0 m	±5 %
K5515.3	RJ45 Patch cable S/FTP, Cat.6, LSZH, 3m, black	3.0 m	±5 %
K5515.5	RJ45 Patch cable S/FTP, Cat.6, LSZH, 5m, black	5.0 m	±5 %
K5515.7,5	RJ45 Patch cable S/FTP, Cat.6, LSZH, 7.5m, black	7.5 m	±5 %
K5515.10	RJ45 Patch cable S/FTP, Cat.6, LSZH, 10m, black	10.0 m	±5 %
K5515.15	RJ45 Patch cable S/FTP, Cat.6, LSZH, 15m, black	15.0 m	±5 %
K5515.20	RJ45 Patch cable S/FTP, Cat.6, LSZH, 20m, black	20.0 m	±5 %
K5515.25	RJ45 Patch cable S/FTP, Cat.6, LSZH, 25m, black	25.0 m	±5 %
K5515.30	RJ45 Patch cable S/FTP, Cat.6, LSZH, 30m, black	30.0 m	±5 %
K5515.40	RJ45 Patch cable S/FTP, Cat.6, LSZH, 40m, black	40.0 m	±5 %
K5515.50	RJ45 Patch cable S/FTP, Cat.6, LSZH, 50m, black	50.0 m	±5 %

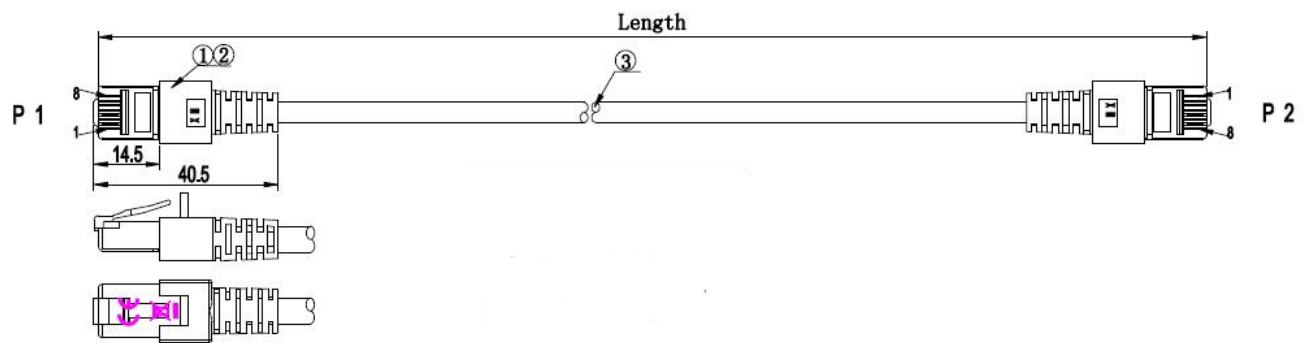
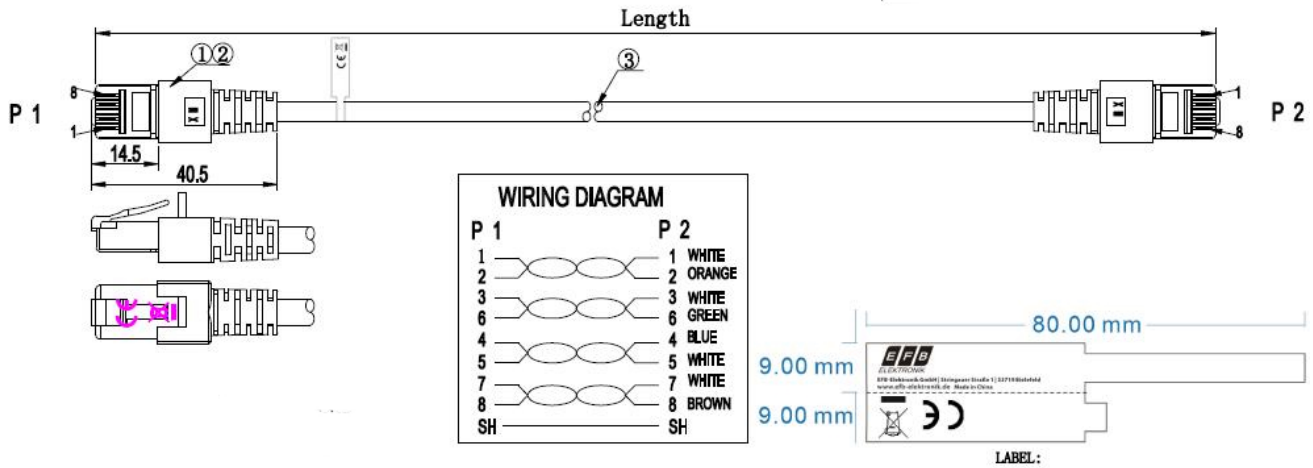
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### Drawings



0,15m / 0,25m

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