

DATASHEET

RJ45 Patch cable S/FTP, Cat.6, PVC, short boot, UL, 1m, black



General data

The Cat.6 patch cable from EFB-Elektronik transmits data up to 5Gbit. The S/FTP shielding reliably protects against interference and ensures good signal quality. Since it is a Cat.6 network cable, it supports a frequency range of up to 250MHz, which enables high data transmission performance.

- Increase interference immunity in electromagnetically charged environments – double shielding (S/FTP) improves EMC reserve, reduces susceptibility to radiation and stabilizes transmission in parallel cable routing.
- Cover fire protection requirements in compliance with standards – flame-retardant cable behaviour according to IEC60332-1 reduces the spread of fire in the event of a fault and supports compliance with common installation specifications.
- Reliable performance for your network connection – the pure copper conductor material ensures stable data transmission and supports consistent signal quality in typical IT and home network applications.

Product Description

The S/FTP Ethernet cable has a double shield that effectively minimizes electromagnetic interference. It can be used in a temperature range of -5 – 75 °C. The wide range of possible applications is supported by the bending radius of >27.5 mm. The network cable is IP20 rated. The polyvinyl chloride (PVC) jacket is a flexible standard jacket for network applications, without special fire protection properties.

This datasheet was created automatically on 20-09-2026 . Technical changes reserved.

DATASHEET

RJ45 Patch cable S/FTP, Cat.6, PVC, short boot, UL, 1m, black

Technical details

- Cat.6
- Connector: RJ45 8(8) to RJ45 8(8) with RJ45 connectors
- Shielding: S/FTP cable with 4x2 x AWG26/7
- Cable shape: round
- Pin assignment: 1:1 according to TIA/EIA 568B
- Equivalent to PoE class: PoE to IEEE802.3af, PoE+ to IEEE802.3at, and 4PPoE to IEEE802.3bt
- UL approved
- Gold-plated contacts
- Sheath: Polyvinyl chloride (PVC) sheath material
- Outer diameter: 6.5 mm
- With an injected anti-kink grommet
- Fire protection: flame-retardant according to IEC60332-1
- Degree of protection: IP20
- With a punctual screen contact
- With locking lever protection
- Mating cycles: ≥ 750
- Brand: EFB-Elektronik

Technical properties

AWG-size	26/7
Allocation	acc. TIA/EIA 568B
Anti-kink sleeve	moulded-on
Area of Application	Industrial Ethernet
Bandwidth	250MHz
Bending radius	>27,5 mm
Cable construction	4x2
Cable shape	rund
Cable type	S/FTP
Cabling standard	EN50173
Category	6
Colour anti-kink sleeve	black
Colour outer sheath	black
Conductive shield	Selected shield contact
Conductor Material	Copper
Connector	IEC 60603-7-5
Connector type	RJ45 standard
Contact Resistance	< 20 mΩ
Contacts	Gold plated
Current capacity	max. 1 A

This datasheet was created automatically on 20-09-2026 . Technical changes reserved.



DATASHEET

RJ45 Patch cable S/FTP, Cat.6, PVC, short boot, UL, 1m, black

Fire retardant version	acc. IEC60332-1
Halogen free	No
Harmonised Standard	EN 50575
Impedance	100 $\pm$ 15 Ω
Insulation Resistance	$\geq$ 500 M Ω
Length imprint	False
Locking lever	True
Material outer sheath	Polyvinylchlorid (PVC)
Mating cycles	$\geq$ 750
Model	shielded
Oil resistant	no
Operating Temperature	-5 - 75 °C
Operating-/ tempering voltage	max. 50 V DC
Outer diameter of the cable	6.5 mm
Ozone resistance	No
Pin assignment	1:1
Printing	VOIP Cat.6 Patchcable S/FTP AWG26/7 UL E132276-C CM 75°C 4PR PVC IEC332-1 ISO-IEC11801 TIA/EIA-568-B.2.1 ***Voice Over IP***
Resistant to chemicals	False
Suitable for degree of protection (IP)	IP20
Test voltage	1000 (V DC, 1min) core/core und core/screen
Transmission	5Gbit
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)
UL approbated	True
UV resistant	no

Available variants

ArtNr.	Bezeichnung	Length POE class		Length tolerance
K2460.1	RJ45 Patch cable S/FTP, Cat.6, PVC, short boot, UL, 1m, black	1.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	$\pm$ 5 %
K2460.10	RJ45 Patch cable S/FTP, Cat.6, PVC, short boot, UL, 10m, black	10.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	$\pm$ 5 %
K2460.15	RJ45 Patch cable S/FTP, Cat.6, PVC, short boot, UL, 15m, black	15.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	$\pm$ 5 %

This datasheet was created automatically on 20-09-2026 . Technical changes reserved.



DATASHEET

RJ45 Patch cable S/FTP, Cat.6, PVC, short boot, UL, 1m, black

K2460.2	RJ45 Patch cable S/FTP, Cat.6, PVC, short boot, UL, 2m, black	2.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K2460.3	RJ45 Patch cable S/FTP, Cat.6, PVC, short boot, UL, 3m, black	3.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %
K2460.6	RJ45 Patch cable S/FTP, Cat.6, PVC, short boot, UL, 6m, black	6.0 m	PoE acc. to IEEE802.3af;PoE+ acc. to IEEE802.3at;4PPoE acc. to IEEE802.3bt	±5 %

Note on Intended Use

This data sheet is intended solely to describe the technical characteristics of the product. It does not replace an assessment of the product's suitability for a specific application. The user is responsible for ensuring that the product is used in accordance with its technical specifications and applicable legal and regulatory requirements.

This datasheet was created automatically on 20-09-2026 . Technical changes reserved.

