DATASHEET

RJ45 Patch cable S/FTP, Cat.6A, TPE superflex, 5m, blue







Cat.6A | 10 Gbit
500 MHz | 100% CU
GHMT | ETL

General data

This Cat.6A (TIA) patch cable from EFB-Elektronik transmits data up to 10Gbit. The S/FTP shielding reliably protects against interference and ensures good signal quality. Since it is a Cat.6A (TIA) patch cable, it supports a frequency range of up to 500MHz, 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.
• Better visibility and safer evacuation in the event of an emergency after IEC61034 – low smoke development helps to keep escape routes as low-smoke as possible in the event of a fire.

Product Description
The S/FTP network cable has double shielding, which effectively reduces electromagnetic interference. The temperature range of the cable is -20 – 60 °C. The wide range of possible applications is supported by the bending radius of 5 x D. The LSZH jacket is halogen-free and low-smoke. In the event of a fire, it minimizes smoke development and increases indoor safety. It is also oil-resistant.

Technical details
• Cat.6A (TIA)

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WIR SORGEN FÜR VERBINDUNG
WE CARE FOR CONNECTION

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- Connector: RJ45 8(8) to RJ45 8(8) with RJ45 connectors
- Shielding: S/FTP cable with 4x2 x AWG26/7
- Pinout: 1:1
- Equivalent to PoE class: PoE to IEEE802.3af, PoE+ to IEEE802.3at, and 4PPoE to IEEE802.3bt
- Sheath: LSZH sheath material
- Oil-resistant according to EN 60811-404
- Outer diameter: 6.0 mm
- With an injected anti-kink grommet
- Fire protection: flame-retardant according to IEC60332-1, low-smoke according to IEC61034
- With locking lever protection
- Brand: EFB-Elektronik

Technical properties	
AWG-size	26/7
Anti-kink sleeve	moulded-on
Area of Application	Industrial Ethernet
Bandwidth	500MHz
Bending radius	5 x D
Cable construction	4x2
Cable type	S/FTP
Cabling standard	ANSI/TIA-568-C.2
Category	6A (TIA)
Colour anti-kink sleeve	blue
Colour outer sheath	blue
Conductor Material	Copper
Fire retardant version	acc. IEC60332-1
Locking lever	True
Low smoke	acc. IEC61034
Material outer sheath	LSZH
Model	shielded
Oil resistant	acc. EN 60811-404
Operating Temperature	-20 – 60 °C
Outer diameter of the cable	6.0 mm
Pin assignment	1:1
Printing	Cat.6 S/FTP 4x2xAWG27/7 PIMF ISO/IEC 11801 & EN50173-1 TIA/EIA 568B.2-1 Halogen Free ***Gigabit*** www.efb-elektronik.de
Raw cable	Cat.7
Transmission	10Gbit
Type of connector connection 1	RJ45 8(8)

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Type of connector connection 2	RJ45 8(8)

Available variants

ArtNr.	Bezeichnung	Length	POE class
K5534FBL.5	RJ45 Patch cable S/FTP, Cat.6A, TPE superflex, 5m, blue	5.0 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at;4PPoE nach IEEE802.3bt
K5534FGE.1	RJ45 Patch cable S/FTP, Cat.6A, TPE superflex, 1m, yellow	1.0 m	keine
K5534FGN.10	RJ45 Patch Cord Cat.6A S/FTP TPE superflex green 10m	10.0 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at;4PPoE nach IEEE802.3bt
K5534FRT.10	RJ45 Patch Cord Cat.6A S/FTP TPE superflex red 10m	10.0 m	keine
K5534FRT.3	RJ45 Patch Cord Cat.6A S/FTP TPE superflex red 3m	3.0 m	PoE nach IEEE802.3af;PoE+ nach IEEE802.3at;4PPoE nach IEEE802.3bt
K5534FRT.7,5	RJ45 Patch Cord Cat.6A S/FTP TPE superflex red 7,5m	7.5 m	keine

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.

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