

DATASHEET

Cat.6A/classEA Installation link, S/FTP, 90m on drum



General data

The Cat.6A (TIA) Ethernet cable from EFB-Elektronik supports data transmissions up to 10Gbit. The S/FTP shielding reliably protects against interference and ensures good signal quality.

- 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.
- 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.
- 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 network cable has a double shield that 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 4 x OD. The FRNC jacket is flame-retardant, halogen-free and low-smoke and is suitable for safety-critical, fixed installation areas.

Technical details

- Cat.6A (TIA)
- Connector: RJ45 8(8) to RJ45 8(8) with RJ45 connectors
- Shielding: S/FTP cable with 4x2 x AWG23

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- Cable shape: round
- Pin assignment: 1:1 according to TIA/EIA 568B
- Gold-plated contacts
- Sheath: FRNC sheath material
- With an injected anti-kink grommet
- Fire protection: flame-retardant, low-smoke according to IEC61034
- With a 360° umbrella attachment
- Brand: EFB-Elektronik

Technical properties	
AWG-size	23
Allocation	acc. TIA/EIA 568B
Anti-kink sleeve	none
Bending radius	4 x OD
Cable construction	4x2
Cable shape	rund
Cable type	S/FTP
Cabling standard	ISO/IEC 11801
Category	6A (TIA)
Colour anti-kink sleeve	black
Colour outer sheath	orange
Conductive shield	360° shield contact
Conductor Material	Copper
Contacts	Gold plated
Dust cover	True
Fire retardant version	True
Length imprint	False
Locking lever	False
Low smoke	acc. IEC61034
Material outer sheath	FRNC
Model	shielded
NVP value	79 %
Oil resistant	no
Operating Temperature	-20 - 60 °C
Ozone resistance	No
Pin assignment	1:1
Raw cable	Cat.7
Resistant to chemicals	False
Test voltage	1000 (V DC, 1min) core/core und core/screen

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Transmission	10Gbit
Type of connector connection 1	RJ45 8(8)
Type of connector connection 2	RJ45 8(8)
UL approbated	False
UV resistant	Nein

Available variants

ArtNr.	Bezeichnung	Length
K9201.50	Cat.6A/classEA Installation link, S/FTP, 50m on drum	50.0 m
K9201.90	Cat.6A/classEA Installation link, S/FTP, 90m on drum	90.0 m

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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