

DATASHEET

Patch Cable SF/UTP AWG26/7 CAT5E 350MHz, UL E188630



General data

The Cat.5e patch cable by the metre from EFB-Elektronik in grey is designed for high-performance network cabling. The SF/UTP structure with PVC jacket supports stable data connections up to 350 MHz and is therefore suitable for installations with bandwidth up to 2.5 Gbit. The version is UL approved and is aimed at structured cabling environments.

- 350 MHz Cat.5e bandwidth – Supports transmission standards from IEEE 802.3 10Mbit to 2.5Gbit, creating scope for high-performance networks.
- SF/UTP construction with foil and braid – Reduces interference and supports stable signal quality in demanding cabling.
- PVC jacket in grey – Adds a practical choice of materials to the installation and fits into standardized network environments.

The cable is designed as a simplex and uses 26/7 conductors with 8 wires. The dynamic bending radius of 40 mm facilitates installation. The combination of foil and braid supports decoupling from external influences and the design is intended for PoE according to IEEE802.3af, PoE+ according to IEEE802.3at and 4PPoE according to IEEE802.3bt. The version without reinforcement is aimed at laying in structured network environments.

Technical details

- Brand: EFB-Elektronik
- Category: Cat.5e
- Transmission standards: IEEE 802.3 10Mbit to 2.5Gbit

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- Max. frequency: 350 MHz
- Cable construction: SF/UTP
- PoE: after IEEE802.3af PoE, after IEEE802.3at PoE+, after IEEE802.3bt 4PPoE
- AWG cross-section/number of wires: 26/7
- Number of cores: 8
- Type: simplex
- Sheath material: Polyvinyl Chloride (PVC)
- Sheath colour: grey
- Armour: without
- Bend radius (dynamic): 40 mm
- Directive/Regulation: RoHS 2011/65/UE
- Euroclass: none
- Shield over stranding: foil + braid

Technical properties

AWG-size	26/7
Armour	none
Bending radius (dynamic)	40 mm
Cable	IEC 61156-6
Cable silicone free	True
Cable structure	SF/UTP
Cable type	EFB Cat.5e SF/UTP Patchkabel UL approbiert
Cabling standards	ISO/IEC 11801
Category	5e
Characteristic impedance	100 ± 5 Ohm
Conductor category	Class 2 = stranded
Conductor material	Copper, tinned
Core identification	Colour
Core insulation	Foam-Skin-PE
Coupling attenuation	≥ 50 dB
Diameter conductor	0.48 mm
Directive/Regulation	RoHS 2011/65/UE
Euro class	none
Flame retardant	acc. to EN 60332-1
Halogen free	False
Harmonised Standard	EN 50575
Installation standard	EN 50174
Insulation resistance (500V)	≥ 2000 MOhm/km
Loop resistance	286 Ohm/km
Low smoke	nein

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Material outer sheath	Polyvinyl chloride (PVC)
Max. Frequency	MHz MHz
NVP value	67 %
Nominal cross section conductor	0.16 mm ²
Operating capacity	43 pF/km
Operating temperature, fix	-20 – 60 °C
Operating temperature, flexible	0 – 50 °C
Operating temperature, storage	-20 – 60 °C
PoE	acc. to IEEE802.3af PoE
Resistance unbalance	5 %
Screen over stranding	foil + braid
Screen over stranding element	without
Stranding element	Pairs
Test voltage DC, 1 min	1000 V
Transmission standards	IEEE 802.3 10Mbit bis 2.5Gbit
UV resistant	no

Available variants

ArtNr.	Bezeichnung	Colour outer sheath	Length	Number of cores	Type	Copper weight	Weight	Max. tractive force	Outer diameter approx.	Fire load
99956.1	Patch Cable SF/UTP AWG26/7 CAT5E 350MHz, UL E188630	grey	1.0 m	8	simplex	22 kg/km	49 kg/km	50 N	6.2 mm	369 MJ/km
99956.1000	Patch Cable SF/UTP AWG26/7 CAT5E 350MHz, UL E188630	grey	1000.0 m	8	simplex	22 kg/km	49 kg/km	50 N	6.2 mm	369 MJ/km

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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