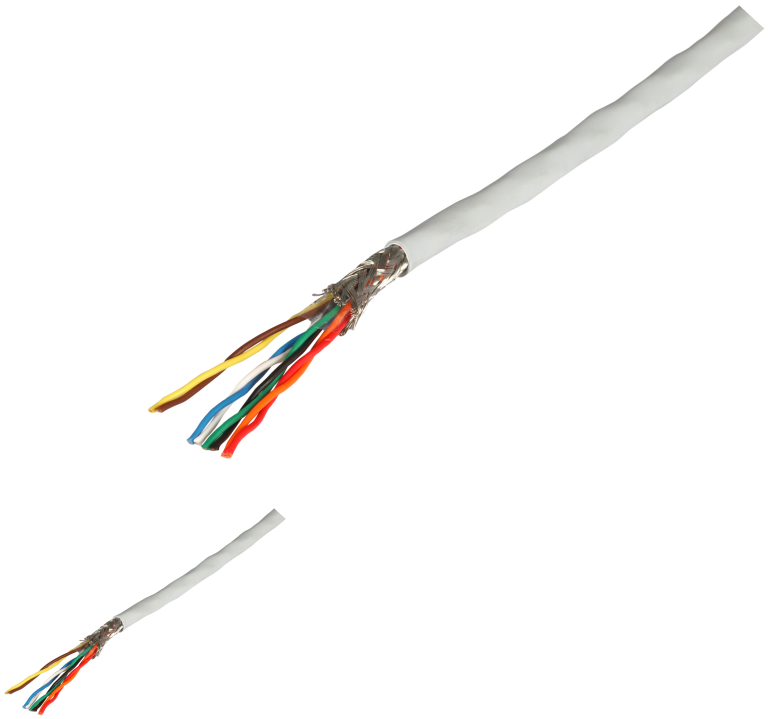
DATASHEET

Cat. 5E Patch Cable DW S/UTP AWG26/7, 300MHz, grey,100m



General data

The Cat.5e S/UTP LAN cable with PVC sheath in grey from EFB-Elektronik is designed for structured network cabling. The S/UTP design supports stable data connections up to 300 MHz and is therefore suitable for installations with solid bandwidth.

• 300 MHz Cat.5e bandwidth – Supports transmission standards from IEEE 802.3 10Mbit to 2.5Gbit and creates reserves for high-performance LAN applications.
• S/UTP design with braid shielding – Reduces interference and supports stable signal quality in structured cabling.
• PVC sheath in grey – Facilitates integration into typical installations and adds a robust sheath material to the finish.

The cable is designed as a simplex and uses 26/7 conductors with 8 wires. The dynamic bending radius of 20 mm facilitates installation. The braided shielding 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. The conformity with RoHS 2011/65/UE complements the technical profile of the cable.

Technical details
• Brand: EFB-Elektronik
• Category: 5E
• Transmission standards: IEEE 802.3 10Mbit to 2.5Gbit

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EFB-Elektronik GmbH
Striegauer Straße 1
33719 Bielefeld

fon: +49 521 40 41 8-0
fax: +49 521 40 41 8-50

info@efb-elektronik.de
www.efb-elektronik.de

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Cat. 5E Patch Cable DW S/UTP AWG26/7, 300MHz, grey,100m

- Max. frequency: 300 MHz
- Cable construction: S/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): 20 mm
- Directive/Regulation: RoHS 2011/65/UE
- Shield over stranding: braid

Technical properties	
AWG-size	26/7
Armour	none
Bending radius (dynamic)	20 mm
Cable	IEC 61156-6
Cable silicone free	True
Cable structure	S/UTP
Cable type	Dätwyler CU 5502 flex
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	PVC
Coupling attenuation	≥ 55 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	225 Ohm/km
Low smoke	nein

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Material outer sheath	Polyvinylchlorid (PVC)
Max. Freuqency	MHz MHz
NVP value	76 %
Nominal cross section conductor	0.16 mm²
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	3 %
Screen over stranding	braiding
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	Nein

Available variants

ArtNr.	Bezeichnung	Colour outer sheath	Length	Number of cores	Type	Copper weight	Weight	Max. tractive force	Outer diameter approx.	Fire load
98701.1	Cat. 5E Patch Cable DW S/UTP AWG26/7, 300MHz, grey	grey	1.0 m	8	simplex	23.5 kg/km	34 kg/km	63 N	5.1 mm	382 MJ/km
98701.100	Cat. 5E Patch Cable DW S/UTP AWG26/7, 300MHz, grey,100m	grey	100.0 m	8	simplex	23.5 kg/km	34 kg/km	63 N	5.1 mm	382 MJ/km
98701.1000	Cat. 5E Patch Cable DW S/UTP AWG26/7, 300MHz, grey,1000m	grey	1000.0 m	8	simplex	23.5 kg/km	34 kg/km	63 N	5.1 mm	382 MJ/km
98702.1	Cat. 5E Patch Cable DW S/UTP AWG26/7, 300MHz, yellow	yellow	1.0 m	8	simplex	23.5 kg/km	34 kg/km	63 N	5.1 mm	382 MJ/km
98702.1000	Cat. 5E Patch Cable DW S/UTP AWG26/7, 300MHz, yellow,1000m	yellow	1000.0 m	8	simplex	23.5 kg/km	34 kg/km	63 N	5.1 mm	382 MJ/km

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Cat. 5E Patch Cable DW S/UTP AWG26/7, 300MHz, grey,100m

98703.1	Cat. 5E Patch Cable DW S/UTP AWG26/7, 300MHz, red	red	1.0 m	8	simplex	23.5 kg/km	34 kg/km	63 N	5.1 mm	382 MJ/km
98703.1000	Cat. 5E Patch Cable DW S/UTP AWG26/7, 300MHz, red, 1000m	red	1000.0 m	8	simplex	23.5 kg/km	34 kg/km	63 N	5.1 mm	382 MJ/km
98704.1	Cat. 5E Patch Cable DW S/UTP AWG26/7, 300MHz, blue	blue	1.0 m	8	simplex	23.5 kg/km	34 kg/km	63 N	5.1 mm	382 MJ/km
98704.1000	Cat. 5E Patch Cable DW S/UTP AWG26/7, 300MHz, blue,1000m	blue	1000.0 m	8	simplex	23.5 kg/km	34 kg/km	63 N	5.1 mm	382 MJ/km
98705.1	Cat. 5E Patch Cable DW S/UTP AWG26/7, 300MHz, black	black	1.0 m	8	simplex	23.5 kg/km	34 kg/km	63 N	5.1 mm	382 MJ/km
98705.1000	Cat. 5E Patch Cable DW S/UTP AWG26/7, 300MHz, black,1000m	black	1000.0 m	8	simplex	23.5 kg/km	34 kg/km	63 N	5.1 mm	382 MJ/km
98706.1	Cat. 5E Patch Cable DW S/UTP AWG26/7, 300MHz, green	green	1.0 m	8	simplex	23.5 kg/km	34 kg/km	63 N	5.1 mm	382 MJ/km
98706.1000	Cat. 5E Patch Cable DW S/UTP AWG26/7, 300MHz, green,1000m	green	1000.0 m	8	simplex	23.5 kg/km	34 kg/km	63 N	5.1 mm	382 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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