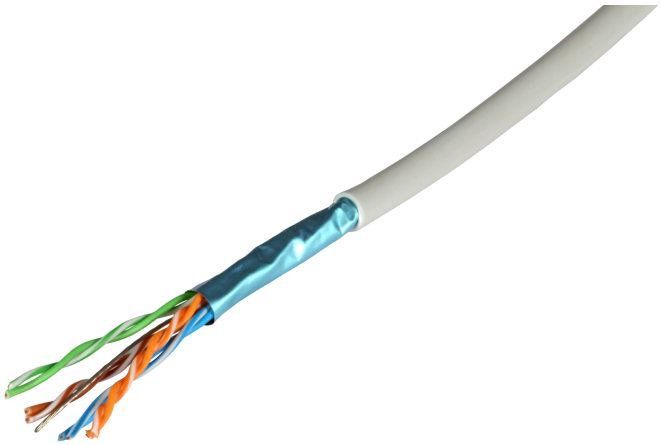
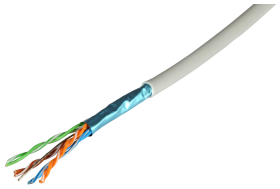
DATASHEET

Patch C. Cat.5E Draka F/UTP AWG26, 300MHz, black,100m





General data

The halogen-free Ethernet cable Cat.5e F/UTP in black from DRAKA is designed for high-performance network cabling. The F/UTP design with FRNC-B jacket supports stable data connections up to 300 MHz and is therefore suitable for modern installations with high bandwidth.

• 300 MHz Cat.5e bandwidth – Supports IEEE 802.3 from 10Mbit to 2.5Gbit, creating scope for high-performance networks.
• F/UTP design with foil shielding – Reduces interference and supports stable signal quality in demanding cabling.
• FRNC-B jacket in black – Is halogen-free according to EN 60754-1/2, complies with RoHS 2011/65/UE and adds a contemporary choice of materials to the installation.

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 foil shielding in the F/UTP structure supports decoupling from external influences. The design is intended for PoE according to IEEE802.3af, PoE+ according to IEEE802.3at and 4PPoE according to IEEE802.3bt.

Technical details
• Brand: DRAKA
• Category: 5E
• Transmission standards: IEEE 802.3 10Mbit to 2.5Gbit
• Max. frequency: 300 MHz
• Cable construction: F/UTP

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- 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: FRNC-B
- Sheath colour: black
- Armour: without
- Bend radius (dynamic): 40 mm
- Directive/Regulation: RoHS 2011/65/UE
- Euroclass: none
- Halogen-free: according to EN 60754-1/2
- Shield over stranding: foil

Technical properties	
AWG-size	26/7
Armour	none
Bending radius (dynamic)	40 mm
Cable	IEC 61156-6
Cable silicone free	True
Cable structure	F/UTP
Cable type	Draka UC300 S26
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	Polyethylene (PE)
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	acc. to EN 60754-1/2
Harmonised Standard	EN 50575
Installation standard	EN 50174
Insulation resistance (500V)	≥ 2000 MOhm/km
Loop resistance	260 Ohm/km
Low smoke	acc. to EN 61034
Material outer sheath	FRNC-B

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Max. Freuqency	MHz MHz
NVP value	67 %
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	foil
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
99153.1	Patch C. Cat.5E Draka F/UTP AWG26, 300MHz, green	green	1.0 m	8	simplex	12 kg/km	26 kg/km	55 N	5.0 mm	354 MJ/km
99153.1000	Patch C. Cat.5E Draka F/UTP AWG26, 300MHz, gren	green	1000.0 m	8	simplex	12 kg/km	26 kg/km	55 N	5.0 mm	354 MJ/km
99154.1	Patch C. Cat.5E Draka F/UTP AWG26, 300MHz, blue	blue	1.0 m	8	simplex	12 kg/km	26 kg/km	55 N	5.0 mm	354 MJ/km
99154.1000	Patch C. Cat.5E Draka F/UTP AWG26, 300MHz, blue	blue	1000.0 m	8	simplex	12 kg/km	26 kg/km	55 N	5.0 mm	354 MJ/km
99155.1	Patch C. Cat.5E Draka F/UTP AWG26, 300MHz, yellow	yellow	1.0 m	8	simplex	12 kg/km	26 kg/km	55 N	5.0 mm	354 MJ/km

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99155.1000	Patch C. Cat.5E Draka F/UTP AWG26, 300MHz, yellow	yellow	1000.0 m	8	simplex	12 kg/km	26 kg/km	55 N	5.0 mm	354 MJ/km
99156.1000	Patch C. Cat.5E Draka F/UTP AWG26, 300MHz, red	red	1000.0 m	8	simplex	12 kg/km	26 kg/km	55 N	5.0 mm	354 MJ/km
99157.1	Patch C. Cat.5E Draka F/UTP AWG26, 300MHz, black,100m	black	1.0 m	8	simplex	12 kg/km	26 kg/km	55 N	5.0 mm	354 MJ/km
99157.100	Patch C. Cat.5E Draka F/UTP AWG26, 300MHz, black,100m	black	100.0 m	8	simplex	12 kg/km	26 kg/km	55 N	5.0 mm	354 MJ/km
99157.1000	Patch C. Cat.5E Draka F/UTP AWG26, 300MHz, black	black	1000.0 m	8	simplex	12 kg/km	26 kg/km	55 N	5.0 mm	354 MJ/km
99158.1	Patch C. Cat.5E Draka F/UTP AWG26, 300MHz, grey	grey	1.0 m	8	simplex	12 kg/km	26 kg/km	55 N	5.0 mm	354 MJ/km
99158.100	Patch C. Cat.5E Draka F/UTP AWG26, 300MHz, grey,100m	grey	100.0 m	8	simplex	12 kg/km	26 kg/km	55 N	5.0 mm	354 MJ/km
99158.1000	Patch C. Cat.5E Draka F/UTP AWG26, 300MHz, grey	grey	1000.0 m	8	simplex	12 kg/km	26 kg/km	55 N	5.0 mm	354 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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