DATASHEET

Patch cable Cat.7 PiMF UC900 MHzFLEX, SS26 4P Dca, grey







General data

The Cat.7 1000 MHz patch cable Draka UC900 FLEX SS26 in grey is designed for high-performance network cabling. The S/FTP design with LSZH jacket supports stable data connections up to 1000 MHz and is therefore suitable for modern installations with high bandwidth.

• 1000 MHz Cat.7 bandwidth – Supports IEEE 802.3 10Mbit to 10Gbit and creates reserves for high-performance networks.
• S/FTP design with braid shielding – Reduces interference and supports stable signal quality in demanding cabling.
• LSZH sheath in grey with Euroclass Dca – Is halogen-free according to EN 60754-1/2 and meets RoHS 2011/65/UE for a contemporary choice of materials.

The cable is designed as a simplex and uses 26/7 conductors with 8 wires. The dynamic bending radius of 50 mm facilitates installation. The braided shielding 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. The version without reinforcement is aimed at laying in structured network environments.

Technical details
• Category: Cat.7
• Transmission standards: IEEE 802.3 10Mbit to 10Gbit
• Max. frequency: 1000 MHz
• Cable construction: S/FTP
• 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: LSZH
• Sheath colour: grey
• Armour: without
• Bend radius (dynamic): 50 mm
• Directive/Regulation: RoHS 2011/65/UE
• Euroclass: Dca
• Halogen-free: according to EN 60754-1/2

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• Shield over stranding: braid

Technical properties	
AWG-size	26/7
Armour	none
Bending radius (dynamic)	50 mm
Cable	IEC 61156-6
Cable silicone free	True
Cable structure	S/FTP
Cable type	Draka UC900 SS26
Cabling standards	ISO/IEC 11801
Category	7
Characteristic impedance	100 ± 5 Ohm
Conductor category	Class 2 = stranded
Conductor material	Copper, bare
Core identification	Colour
Core insulation	Foam-Skin PP
Coupling attenuation	≥ 80 dB
Diameter conductor	0.48 mm
Directive/Regulation	RoHS 2011/65/UE
Euro class	Dca
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	290 Ohm/km
Low smoke	acc. to EN 61034
Material outer sheath	LSZH
Max. Freuqency	MHz MHz
NVP value	79 %
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

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Resistance unbalance	3 %
Screen over stranding	braiding
Screen over stranding element	Foil
Separation class acc. EN50174-2	D
Stranding element	Pairs
Test voltage DC, 1 min	1000 V
Transmission standards	IEEE 802.3 10Mbit bis 10Gbit
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
99751.1	Patch cable Cat.7 PiMF UC900 MHz FLEX, SS26 4P Dca, grey	grey	1.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km
99751.100	Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, grey 100m	grey	100.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km
99751.1000	Patch cable Cat.7 PiMF UC900 MHzFLEX, SS26 4P Dca, grey	grey	1000.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km
99752.1	Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, yellow	yellow	1.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km
99752.100	Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, yellow 100 M	yellow	100.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km
99752.1000	Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, yellow	yellow	1000.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km
99753.1	Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, red	red	1.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km

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99753.100	Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, red 100 M	red	100.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km
99753.1000	Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, red	red	1000.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km
99754.1	Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, blue	blue	1.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km
99754.100	Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, blue, 100 M	blue	100.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km
99754.1000	Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, blue	blue	1000.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km
99755.1	Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4PDca, black	black	1.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km
99755.100	Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, black, 100 M	black	100.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km
99755.1000	Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, black	black	1000.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km
99756.1	Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, green	green	1.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km
99756.100	Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, green, 100 M	green	100.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km
99756.1000	Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, green	green	1000.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km

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99757.1	Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, orange	orange	1.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km
99757.100	Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, orange, 100 M	orange	100.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km
99757.1000	Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, orange	orange	1000.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km
99758.1	Patch cable Cat.7 PiMF UC900MHz, FLEX, SS26 4P Dca, white	white	1.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km
99758.100	Patch cable Cat.7 PiMF UC900MHz, FLEX, SS26 4P Dca, white, 100m	white	100.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km
99758.1000	Patch cable Cat.7 PiMF UC900MHz, FLEX, SS26 4P Dca, white	white	1000.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km
99759.1	Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, erica-violet	magenta	1.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 MJ/km
99759.1000	Patch cable Cat.7 PiMF UC900MHz FLEX, SS26 4P Dca, erica-violet	magenta	1000.0 m	8	simplex	18 kg/km	38 kg/km	100 N	5.9 mm	465 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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