DATASHEET

Patch cable UC900M SS26 4P PUR red



General data

The DRAKA patch cable UC900M SS26 4P in the version as a patch cable by the meter Cat.7 S/FTP with PUR jacket in red is designed for high-performance network cabling. With a bandwidth of 1000 MHz and a design for IEEE 802.3 from 10Mbit to 10Gbit, it is suitable for modern installations with high bandwidth.

• 1000 MHz Cat.7 bandwidth – Supports transmission standards from IEEE 802.3 10Mbit to 10Gbit and creates scope for high-performance networks.
• S/FTP design with braid shielding – Reduces interference and supports stable signal quality in demanding cabling.
• PoE to IEEE802.3af, IEEE802.3at, and IEEE802.3bt – Covers PoE, PoE+, and 4PPoE and expands the range of applications for powered network devices.

The cable is designed as a simplex and uses 26/7 conductors with 8 wires. The dynamic bending radius of 50 mm facilitates installation and the construction without reinforcement is aimed at use in structured network environments. This is complemented by the PUR sheath in red, braided shielding, RoHS 2011/65/UE conformity and halogen-free according to EN 50267-1.

Technical details
• Brand: DRAKA
• Category: 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: polyurethane (PUR)
• Sheath colour: red
• Armour: without
• Bend radius (dynamic): 50 mm
• Directive/Regulation: RoHS 2011/65/UE
• Euroclass: none
• Halogen-free: according to EN 50267-1
• Shield over stranding: braid

Technical properties

AWG-size	26/7
Armour	none

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Bending radius (dynamic)	50 mm
Cable	IEC 61156-6
Cable silicone free	True
Cable structure	S/FTP
Cable type	Draka UC900 SS26 Cat.7 PUR
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	none
Flame retardant	acc. to EN 60332-1
Halogen free	acc. to EN 50267-1
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	Polyurethan (PUR)
Max. Freuqency	MHz MHz
NVP value	79 %
Nominal cross section conductor	0.16 mm²
Operating capacity	43 pF/km
Operating temperature, fix	-30 – 75 °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	Foil
Separation class acc. EN50174-2	C
Stranding element	Pairs

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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
99760.1	Patch cable UC900M SS26 4P PUR red	red	1.0 m	8	simplex	18 kg/km	38 kg/km	100 N	6.0 mm	565 MJ/km
99760.100	Patchkabel UC900M SS26 4P PUR red 100m ring	red	100.0 m	8	simplex	18 kg/km	38 kg/km	100 N	6.0 mm	565 MJ/km
99760.1000	Patch cable UC900M SS26 4P PUR red	red	1000.0 m	8	simplex	18 kg/km	38 kg/km	100 N	6.0 mm	565 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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