DATASHEET

Cat.7 Outdoor cable UC900 SS23/1,4P PE, 100metres









General data

The data cable is an installation cable with a thick-walled polyethylene outer sheath, suitable for **direct burial**, **UV-resistant** and for transmission rates up to **1000 MHz**. Exeeds the electrical transmission properties and requirements of the category 7 and lower. Suitable for structured cabling of Class E, EA, F and according to ISO/IEC11801 (AMD 2:2009) resp. EN50173-1 (2009). With this cable transmission rates up to 10 GBit according to IEEE 802.3 are possible.

Technical properties	
AWG-size	23/1
Armour	none
Bending radius (dynamic)	80 mm
Cable	EN 50288-4-1 900
Cable silicone free	True
Cable structure	S/FTP
Cable type	Draka UC900 SS23 PE
Cabling standards	ISO/IEC 11801
Category	7
Characteristic impedance	100 ± 5 Ohm
Conductor category	Class 1 = solid
Conductor material	Copper, bare
Core identification	Colour
Core insulation	Foam-Skin-PE
Coupling attenuation	≤ 85 dB
Diameter conductor	0.56 mm

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Directive/Regulation	RoHS 2011/65/UE
Euro class	none
Flame retardant	False
Halogen free	False
Harmonised Standard	EN 50575
Installation standard	EN 50174
Insulation resistance (500V)	≥ 5000 MOhm/km
Loop resistance	165 Ohm/km
Low smoke	False
Material outer sheath	Polyethylene (PE)
Max. Freuqency	MHz MHz
NVP value	79 %
Nominal cross section conductor	0.26 mm²
Operating capacity	43 pF/km
Operating temperature, fix	-55 – 60 °C
Operating temperature, flexible	-20 – 50 °C
Operating temperature, storage	-20 – 60 °C
PoE	acc. to IEEE802.3af PoE
Resistance unbalance	2 %
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	True

Available variants

ArtNr.	Bezeichnung	Colour outer sheath	Length	Number of cores	RAL colour	Type	Copper weight	Weight	Max. tractive force	Outer diameter approx.
99731.100	Cat.7 Outdoor cable UC900 SS23/1,4P PE, 100metres	black	100.0 m	8	RAL 9005	simplex	38 kg/km	95 kg/km	340 N	8.4 mm

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99731.500	Cat.7 Outdoor cable UC900 SS23/1,4P PE, 500metres	black	500.0 m	8	RAL 9005	simplex	38 kg/km	95 kg/km	340 N	8.4 mm

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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