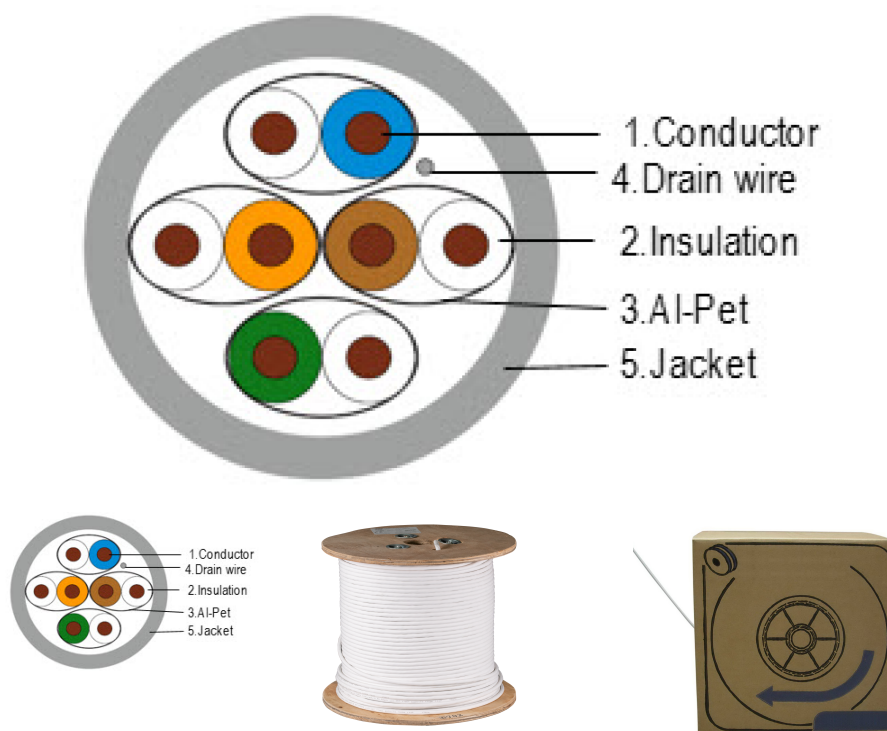


DATASHEET

INFRALAN® U/FTP Cat.6A 500MHz, AWG23 4P Dca, 305m
Box, white



General data

INFRALAN® U/FTP Cat.6A Installation Cable

Technical properties

AWG-size	23/1
Armour	none
Bending radius (dynamic)	57.6 mm
Cable	IEC 61156-6
Cable silicone free	True
Cable structure	U/FTP
Cable type	EFB Cat.6A U/FTP 500 AWG23 Dca
Cabling standards	ISO/IEC 11801
Category	6A (IEC)
Characteristic impedance	100 ± 5 Ohm
Conductor category	Class 1 = solid
Conductor material	CU, tinned
Core identification	Colour

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DATASHEET

INFRALAN® U/FTP Cat.6A 500MHz, AWG23 4P Dca, 305m Box, white

Core insulation	Cell-PE
Coupling attenuation	≥ 50 dB
Diameter conductor	0.55 mm
Directive/Regulation	RoHS 2011/65/UE
Euro class	Dca
Flame retardant	acc. to EN 60332-1
Halogen free	acc. to EN 60754
Harmonised Standard	EN 50575
Installation standard	EN 50174
Insulation resistance (500V)	≥ 2000 MOhm/km
Loop resistance	196.8 Ohm/km
Low smoke	acc. to EN 61034
Material outer sheath	LSZH
Max. Frequency	MHz MHz
NVP value	74 %
Nominal cross section conductor	0.26 mm ²
Operating capacity	43 pF/km
Operating temperature, fix	-20 - 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	None
Screen over stranding element	Foil
Separation class acc. EN50174-2	C
Stranding element	Pairs
Test voltage DC, 1 min	1000 V
Transmission standards	IEEE 802.3 10Mbit bis 10Gbit
UV resistant	no

Available variants

ArtNr.	Bezeichnung	Colour outer sheath	Length	Number RAL of cores colour	Type	Copper weight	Weight	Max. tractive force	Outer diameter approx.	Fire load
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DATASHEET

INFRALAN® U/FTP Cat.6A 500MHz, AWG23 4P Dca, 305m Box, white

99978.305-CPR	INFRALAN® U/FTP Cat.6A 500MHz, AWG23 4P Dca, 305m Box, white	white	305.0 m	8	RAL 9003	simplex	20 kg/km	50 kg/km	100 N	7.2 mm	732 MJ/km
99978.500-CPR	INFRALAN® U/FTP Cat.6A 500MHz, AWG23 4P Dca, 500m Drum, white	white	500.0 m	8	RAL 9003	simplex	20 kg/km	50 kg/km	100 N	7.2 mm	732 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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