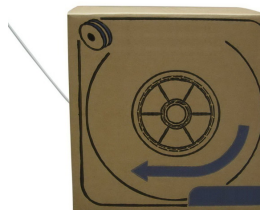
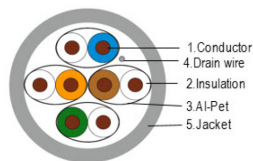
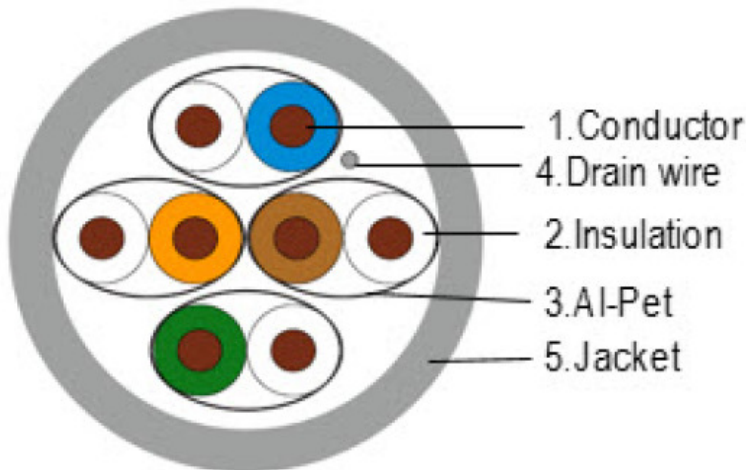


DATASHEET

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



General data

INFRALAN® U/FTP Cat.6A Installation Cable

Allgemeine Daten

Conductor category	Kl.1 = single wire
Material outer sheath	LSZH
UV resistance	no
Nominal cross section conductor	0.26 mm ²
Stranding element	Pairs
Category	6A (IEC)
Core identification	Colour
Halogen free	acc. EN 60754

Mechanische Eigenschaften

Bending radius (static)	28.8 mm
Bending radius (dynamic)	57.6 mm

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

Kabelaufbau

AWG-size	23/1
Diameter conductor	0.55 mm
Cable Construction	U/FTP
Conductor material	CU, tinned

Kabelmantel

Low smoke	acc. EN 61034
Flame retardant	acc. EN 60332-1
Euro class	Dca

Umgebungsbedingungen

Permitted cable outer temperature during assembling/handling	0 - 50 °C
Permitted cable outer temperature after assembling without vibration	-20 - 75 °C

Elektrische Eigenschaften

Test voltage DC, 1 min	1000 V
Screen over stranding element	Foil
Loop resistance	< 196.8 Ohm/km
Characteristic impedance	100 ± 15 Ohm
Max. Frequency	500 MHz
NVP value	74 %
Resistance unbalance	3 %
Core insulation	foam-skin PE
Screen over stranding	without
PoE	yes
Separation class acc. EN50174-2	C

Normen, Zulassungen, Zertifizierungen

Low smoke (according to EN 61034-2)	True
Cabling standards	ISO/IEC 11801
Installation standard	EN 50174
Transmission standards	IEEE 802.3 10Mbit to 10Gbit
Harmonised Standard	EN 50575

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DATASHEET

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

Cable	IEC 61156-5
Halogen free (according to EN 60754-1/2)	True
Directive/Regulation	RoHS 2011/65/UE

Available variants

ArtNr.	Bezeichnung	Colour outer sheath	Length of cores	Number of cores	RAL colour	Type	Gewicht	Max. Zugkraft ca.	Außendurchmesser
99978.305-CPR	INFRALAN® U/FTP Cat.6A 500MHz, AWG23 4P Dca, 305m Box, white	white	305.0 m	8	RAL9003	simplex	50 kg/km	100 N	7,2 mm
99978.500-CPR	INFRALAN® U/FTP Cat.6A 500MHz, AWG23 4P Dca, 500m Drum, white	white	500.0 m	8	RAL9003	simplex	50 kg/km	100 N	7,2 mm
99978DX.500-CPR	INFRALAN® U/FTP Duplex Cat.6A 500MHz, AWG23 2x4P, Dca, 500m drum, white	white	500.0 m	2x8	RAL9003	duplex	100 kg/km	100 N	7,2 x 15,0 mm

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