

Cable INFRALAN Cat. 7 S/FTP 1200 MHz LSZH Int/Ext.CPR Dca



General data

The Cat.7 S/FTP indoor/outdoor cable is characterised by the cable construction 4x2xAWG23/1 and achieves a transmission frequency of up to 1200 MHz. The cable has a PE outer sheath and a halogen-free inner sheath and conforms to the IEC 60332-1 standard and Construction Products Regulation (BauPVO) Euroclass Dca. The cable is suitable for installations in dry or damp rooms, outdoors or underground. Conforms to the standards ISO/IEC 11801, DIN EN 50173, DIN EN 50288-4-1.

Allgemeine Daten

Halogen free	acc. EN 60754
Conductor category	Class 1 = solid
Material outer sheath	PE + LSZH
Category	7
Stranding element	Pairs
Core identification	Colour
UV resistance	yes

Mechanische Eigenschaften

Bending radius (dynamic)	8 x OD
Bending radius (static)	7 x OD

Kabelaufbau

AWG-size	23/1
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Conductor material	Cu, tinned
Diameter conductor	0.56 mm
Cable Construction	S/FTP

Kabelmantel

Low smoke	acc. EN 61034
Flame retardant	acc. IEC 60754-2

Umgebungsbedingungen

Permitted cable outer temperature during assembling/handling	0 - 50 °C
Operating temperature, storage	-30 - 70 °C
Permitted cable outer temperature after assembling without vibration	-30 - 70 °C

Elektrische Eigenschaften

Loop resistance	171.2 Ohm/km
Test voltage DC, 1 min	1000 V
Screen over stranding element	Foil
Characteristic impedance	100 ± 15 Ohm
Separation class acc. EN50174-2	D
Screen over stranding	foil + braid
Coupling attenuation	80 dB
Resistance unbalance	3 %
PoE	yes
Core insulation	foam-skin PE
Coupling attenuation Type	Type 1
NVP value	76 %
Max. Frequency	1200 MHz

Normen, Zulassungen, Zertifizierungen

Cabling standards	ISO/IEC 11801
Installation standard	EN 50174
Cable	IEC 61156-5
Transmission standards	IEEE 802.3 10Mbit to 10Gbit
Halogen free (according to EN 60754-1/2)	True
Directive/Regulation	RoHS 2011/65/UE

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