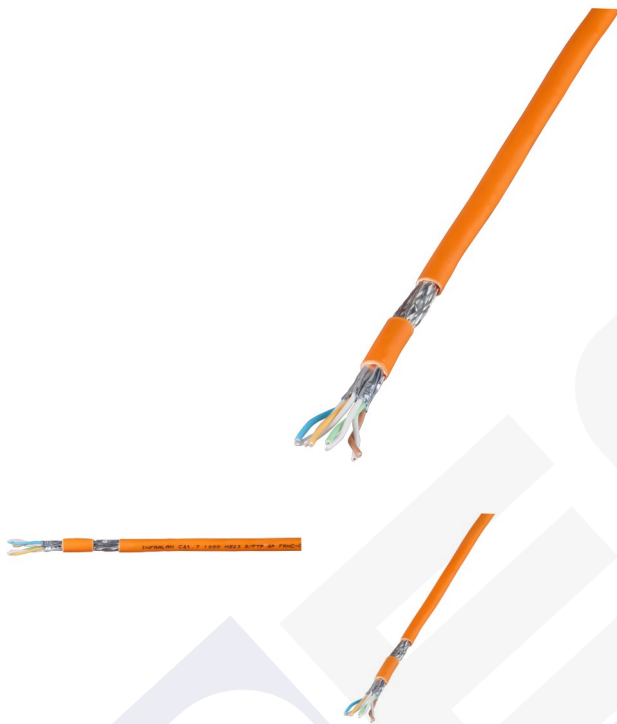


Cable S/Ftp Infralan Cat-7 Lszh-cca (500m)



General data

The INFRALAN® installation cable 99981.x is constructed for transmissions up to **1000 MHz** and exceeds the requirements of the category 7 with the electrical transmission properties. With this cable transmission rates up to 10 GBit according to IEEE 802.3 are possible. Additional this Cable is certified by GHMT PVP program in simplex version.

Allgemeine Daten

Conductor category	Class 1 = solid
UV resistance	no
Category	7
Nominal cross section conductor	0.26 mm ²
Stranding element	Pairs
Material outer sheath	FRNC-B
Halogen free	acc. EN 50267-2-2
Core identification	Colour
Cable silicone free	True

Mechanische Eigenschaften

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Bending radius (static)	≥ 30 mm
Bending radius (dynamic)	≥ 60 mm

Kabelaufbau

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

Kabelmantel

Flame retardant	According to IEC/EN 60332-3-24
Euro class	Cca
Low smoke	acc. EN 61034

Umgebungsbedingungen

Permitted cable outer temperature during assembling/handling	0 - 50 °C
Operating temperature, storage	0 - 50 °C
Permitted cable outer temperature after assembling without vibration	-20 - 60 °C

Elektrische Eigenschaften

Screen over stranding	braiding
NVP value	78 %
Test voltage DC, 1 min	1000 V
Transfer impedance at 10MHz	≤ 10 mOhm/m
Core insulation	Foam-Skin-PE
Screen over stranding element	Foil
Transfer impedance at 1MHz	≤ 10 mOhm/m
Dielectric strength DC	1 kV/1 min
Loop resistance	≤ 146 Ohm/km
Resistance unbalance	≤ 2 %
Characteristic impedance	100 ± 5 Ohm
Separation class acc. EN50174-2	D
Delay skew	20 ns/100m
Transfer impedance at 100MHz	≤ 30 mOhm/m

Cable S/Ftp Infralan Cat-7 Lszh-cca (500m)

Capacity to earth	≤ 1600 pF/km
PoE	yes
Coupling attenuation Type	Type 1b
Max. Frequency	1000 MHz
Transfer impedance at 30MHz	≤ 20 mOhm/m
Insulation resistance (500V)	≥ 5000 MOhm/km
Coupling attenuation	≥ 80 dB

Normen, Zulassungen, Zertifizierungen

Low smoke (according to EN 61034-2)	True
Cabling standards	ISO/IEC 11801
Installation standard	EN 50174
Cable	IEC 61156-5
Transmission standards	IEEE 802.3 10Mbit to 10Gbit
Halogen free (acc. EN 50267-2-2)	False
Harmonised Standard	EN 50575
Directive/Regulation	RoHS 2011/65/UE
Halogen free (according to EN 60754-1/2)	False