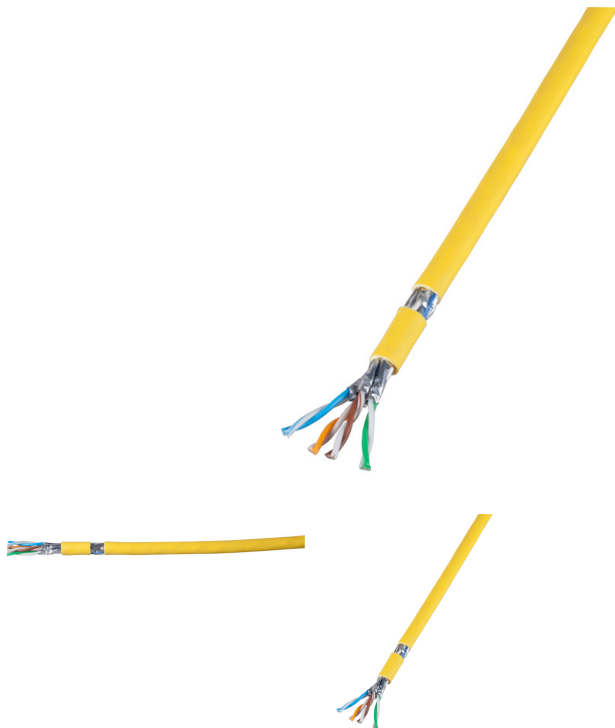


DATASHEET

INFRALAN® Cat.7A 1250 AWG23 S/FTP 4P CPR Cca rape yellow RAL1021



DELTA



FRNC-C

General data

The INFRALAN® installation cable 99985.x-CPR is constructed for transmissions up to **1250 MHz** and exceeds with the electrical transmission properties and requirements of the category 7A. Suitable for structured cabling of Class E, EA, F and FA according to ISO/IEC 11801 (AMD 2:2009) resp. EN 50173-1 (2009). With this cable transmission rates up to 10 GBit according to IEEE 802.3 are possible.

Allgemeine Daten

Halogen free	acc. EN 60754-1/2
Conductor category	Class 1 = solid
UV resistance	no
Stranding element	Pairs
Category	7A
Material outer sheath	FRNC-B
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

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

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
Screen over stranding element	Foil
Dielectric strength DC	1 kV/1 min
Max. Frequency	1250 MHz
Transfer impedance at 100MHz	≤ 30 mOhm/m
Resistance unbalance	≤ 2 %
Characteristic impedance	100 ± 5 Ohm
Separation class acc. EN50174-2	D
Delay skew	20 ns/100m
PoE	yes;acc. to IEEE802.3af PoE;acc. to IEEE802.3at PoE+
Capacity to earth	≤ 1600 pF/km
Transfer impedance at 10MHz	≤ 10 mOhm/m

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DATASHEET

INFRALAN® Cat.7A 1250 AWG23 S/FTP 4P CPR Cca rape yellow RAL1021

Coupling attenuation Type	Type 1b
Core insulation	foam-skin PE
Transfer impedance at 30MHz	≤ 20 mOhm/m
Loop resistance	≤ 140 Ohm/km
Insulation resistance (500V)	≥ 5000 MOhm/km
Coupling attenuation	≥ 80 dB
Transfer impedance at 1MHz	≤ 10 mOhm/m

Normen, Zulassungen, Zertifizierungen

Cabling standards	ISO/IEC 11801;EN 50173-1
Installation standard	EN 50174
Transmission standards	IEEE 802.3 10Mbit to 10Gbit
Directive/Regulation	RoHS 2011/65/UE;REACH 1907/2006/EC
Harmonised Standard	EN 50575
Cable	IEC 61156-5;EN 50288-9-1

Available variants

ArtNr.	Bezeichnung	Colour outer sheath	Length of	Number of cores	RAL colour	Type	Cu-Zahl	Gewicht	Max. Zugkraft ca.	Außendurchmesser	Brandlast
99985.1-CPR	INFRALAN® Cat.7A 1250 AWG23 S/FTP 4P CPR Cca rape yellow RAL1021	rape yellow	1.0 m	8	RAL1021	simplex	32 kg/km	62 kg/km	95 N	7,7 mm	0,64 MJ/m
99985.100-CPR	INFRALAN® Cat.7A 1250 AWG23 S/FTP 4P CPR Cca rape yellow RAL1021, 100m	rape yellow	100.0 m	8	RAL1021	simplex	32 kg/km	62 kg/km	95 N	7,7 mm	0,64 MJ/m
99985.500-CPR	INFRALAN® Cat.7A 1250 AWG23 S/FTP 4P CPR Cca rape yellow RAL1021, 500m	rape yellow	500.0 m	8	RAL1021	simplex	32 kg/km	62 kg/km	95 N	7,7 mm	0,64 MJ/m

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DATASHEET

INFRALAN® Cat.7A 1250 AWG23 S/FTP 4P CPR Cca rape yellow RAL1021

99985DX.500-CPR	INFRALAN® Cat.7A 1250 AWG23 S/FTP 2x4P CPR Cca rape yellow RAL1021, 500m	rape yellow	500.0 m	2x8	RAL1021	duplex	64 kg/km	124 kg/km	190 N	7,7 x 16,1 mm	1,28 MJ/m
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