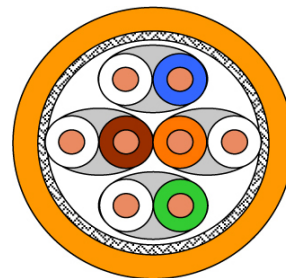


DATASHEET

INFRALAN® Cat.7_A Installation cable S/FTP 1200 MHz, CPR B2ca Art.-No.: MK7100.x-CPR



DELTA certified



Product Description

Application	Primär (Campus), Sekundär (Riser), Tertiär (Horizontal)
	IEEE 802.5; IEEE 802.3an: 10Base-T; 100Base-TX; 1000Base-T; 10GBase-T
Standards	ISO/IEC 11801; EN50173; EN 50288, IEC 61156-5, IEC60332-3-3C
Flame resistance	Harmonised Standard: EN 50575 Flame retardance: IEC 60332-3-3C Halogenfree: IEC 60754 Low smoke: IEC 61034
EURO - Flame resistance class	B2ca- s1a, d1, a1

Cable construction

Conductor	Bare copper wire AWG 22 (0.62 ±0.01 mm)
Insulation	Foam-Skin Polyethylen, Ø 1.45 mm
Twisting	2 wires to the pair
Pair screen	AL-laminated plastic foil
Screen	copper braid, tinned
Sheath	halogenfree LSZH / FRNC, orange RAL 2003
Printing	INFRALAN CAT7A 1200MHZ S/FTP 4x2xAWG22/1 LSOH-3 IEC 60332-3-24 EN50575 B2ca NVP=78% dyyymmdd hh:mm (+metermarking)

Mechanical characteristics

Bending radius	During installation 8 x D Installed cable 4 x D
Operation temperature range	-20°C to + 60°C
Storage temperature range	0°C to + 50°C



RoHS
compliant

Art.No.	MK7100.x-CPR	File	MK7100.x-CPR.indd		
Description	INFRALAN® Cat.7 _A Installation cable S/FTP 1200 MHz, CPR B2ca				
Created	Date	Last revision	Date	Proved	Date
BF	28.06.2017			JB	04.07.2017

DATASHEET

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Electrical characteristics (at 20°C ± 5°C)

Performance			
Frequency (MHz)	Attenuation (dB/100m)	NEXT (dB)	Return loss (dB)
4,00	3,70	78,00	23,00
10,00	5,80	78,00	25,00
16,00	7,30	78,00	25,00
31,25	10,30	78,00	23,60
62,50	14,60	78,00	21,50
100,00	18,50	75,40	20,10
250,00	29,70	69,40	17,30
500,00	42,80	64,90	17,30
600,00	47,10	63,70	17,30
900,00	58,50	61,10	17,30
1000,00	61,90	60,40	17,30
1200,00	68,40	59,20	17,30
Max. Conductor DC Resistance at 20°C (Ω/Km)			<71.7
Rated Temperature(°C)			60
Velocity ratio			78%
Impedance(Ω)		1-100MHz	100±15
		100-250MHz	100±20
		250-500MHz	100±25
		500-1000MHz	100±30
		1000-1200MHz	100±32
Transfer impedance (mΩ / m)		GRADE 1	
		10MHz	30MHz
		10	30
Coupling attenuation		≥85dB	Type1
Segregation classification acc. EN50174-2		„d“	

Technical data

Art.No.	MK7100.x-CPR
	4x2xAWG22
Outer diameter	8.2 mm
Copper Weight	3.62kg/100m

Order data

Art. No.	Type
MK7100.x-CPR	INFRALAN® Cat.7 _A S/FTP 1200 AWG22, CPR B2ca



RoHS
compliant

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