



Anwendungen:

Installationskabel für den Einsatz in strukturierter Gebäudeverkabelung nach ISO/IEC 11801 und EN 50173. Bestens geeignet für alle Anwendungen der Klassen D bis FA Multimedia (Video, Daten, Sprache), > 10GbE nach IEEE 802.3, VoIP, PoE, PoE+ Für eine Spannung von max. 75 Volt, - zur Verwendung als Datenübertragungskabel in Telekommunikationsnetzwerken.

Beschreibung:

Rated temperature: 75°C, Reference standard:ISO/IEC 11801, DIN EN 50288-4-1, DIN EN 50173, IEC 61156-5,IEC 61156-7, EN50288-9-1, Product standard certification: Flame test:EUROCLASS Dca, IEC 60332-1-2 IEC 60332-3-24 Oxygen free copper conductor, Colour-coded PE insulation, LSZH jacket

Besondere Merkmale

Eigenschaften

halogenfrei
CPR - Dca

Mantelfarbe

orange

Physikalische Eigenschaften:

Structure	Construction	S/FTP	Frequency MHz	Attenuation dB/100m	NEXT dB/100m	PSNEXT dB/100m	Return loss dB/100m	ELFEXT dB/100m	PSELFEXT dB/100m
	Number of Pairs	4 Pairs							
Conductor	AWG	23 AWG	4	3,74	78,0	75,0	23,0	78,0	75,0
	Conductor material	Solid bare copper	10	5,86	78,0	75,0	25,0	74,0	71,0
	Conductor dimension	0,57+-0,005mm	16	7,41	78,0	75,0	25,0	69,9	66,9
Insulation	Insulation material	Foam PE	31,25	10,41	78,0	75,0	23,6	64,1	61,1
	Insulation dimension	1,38+-0,10mm	62,5	14,88	75,5	75,0	21,5	58,1	55,1
	Number color	1 white/blue & blue	100	19,02	72,4	69,4	20,1	54,0	51,0
		2 white/orange & orange	250	30,97	66,4	63,4	17,3	46,0	43,0
		3 white/green & green	300	34,19	65,2	62,2	17,3	44,5	41,5
		4 white/brown & brown	400	40,01	63,4	60,4	17,3	42,0	39,0
Cabling	Twisting lay lenght	<30mm	550	47,72	61,3	58,3	17,3	39,2	36,2
	Cabling lay lenght	<200mm	600	50,10	60,7	57,7	17,3	38,4	35,4
Shield	Individual shield & material	AL-Foil	700	54,60	59,7	56,7	17,3	37,1	34,1
	Primary overall shield & material	AL-MG alloy wire braid	800	58,90	58,9	55,9	17,3	35,9	32,9
	Shield coverage approx	>25%	1000	66,90	57,4	54,4	17,3	34,0	31,0
Outer Jacket	Jacket material	LSZH							
	Jacket thickness nominal	0,50mm							
	Overall nominal dimension	7.50 ±0.30mm							
	Jacket rip cord	None							
Mechanical	Operating temperature range	-20°C - +75°C							
characteristics	Max. recommended pulling tension	110N							
	Min. bend radius (install)	8x O.D.							
	Outer jacket elongation	>100%							
	Outer jacket aging condition	100°C x 168 hrs							
	Cold bend (static)	No Crack (@ -20°C x 4hrs)							
Electrical	Nom. mutual capacitance	< 5.6 nF/100m (@1kHz)							
characteristics	Pair to ground capacitance unbalance	< 160 pF/100m							
	Nominal velocity of propagation	77%							
	Max. delay skew	25 ns/100m							
	Max. conductor DC resistance	9.5 Ω/100m (@ 20°C)							
	Min. insulation resistance	5000 MΩ.km							
	Max. operating voltage - UL	300V							
	Dielectric strength	2,5kV d.c. for 2s							

Ausführung

Aufmachung

Außen Ø mm

Artikelnummer

EL-Pro S/FTP 4x2xAWG23/1 1300MHz Cat.7 orange

100/500/1000m

7,5

11389990