



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
Dca
Karton mit integrierter Spule
Mantelfarbe
orange oder magenta

Physikalische Eigenschaften:

Structure	Construction	S/FTP
	Number of Pairs	8 Pairs
Conductor	AWG	23 AWG
	Conductor material	Solid bare copper
	Conductor dimension	0,57+-0,005mm
Insulation	Insulation material	Foam PE
	Insulation dimension	1,38+-0,10mm
	Number color	1 white/blue & blue 2 white/orange & orange 3 white/green & green 4 white/brown & brown
Cabling	Twisting lay lenght	<30mm
	Cabling lay lenght	<200mm
Shield	Individual shield & material	AL-Foil
	Primary overall shield & material	AL-MG alloy wire braid
	Shield coverage approx	>25%
Outer Jacket	Jacket material	LSZH
	Jacket thickness nominal	0,50mm
	Overall nominal dimension	7.50 ±0.30mm
	Jacket rip cord	None
Mechanical characteristics	Operating temperature range	-20°C - +75°C
	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 characteristics	Nom. mutual capacitance	< 5.6 nF/100m (@1kHz)
	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

Elektrische Eigenschaften:

Frequency MHz	Attenuation dB/100m	NEXT dB/100m	PSNEXT dB/100m	Return loss dB/100m	ELFEXT dB/100m	PSELFEXT dB/100m
4	3,74	78,0	75,0	23,0	78,0	75,0
10	5,86	78,0	75,0	25,0	74,0	71,0
16	7,41	78,0	75,0	25,0	69,9	66,9
31,25	10,41	78,0	75,0	23,6	64,1	61,1
62,5	14,88	75,5	75,0	21,5	58,1	55,1
100	19,02	72,4	69,4	20,1	54,0	51,0
250	30,97	66,4	63,4	17,3	46,0	43,0
300	34,19	65,2	62,2	17,3	44,5	41,5
400	40,01	63,4	60,4	17,3	42,0	39,0
550	47,72	61,3	58,3	17,3	39,2	36,2
600	50,10	60,7	57,7	17,3	38,4	35,4
700	54,60	59,7	56,7	17,3	37,1	34,1
800	58,90	58,9	55,9	17,3	35,9	32,9
1000	66,90	57,4	54,4	17,3	34,0	31,0

Ausführung

Aufmachung

Außen Ø mm

Artikelnummer

e-fairline S/FTP 2x4x2xAWG23 1000MHz Cat.7 magenta	100/500m	7,5x15,3	11384025
e-fairline S/FTP 2x4x2xAWG23 1000MHz Cat.7 orange	100/500m	7,5x15,3	11384022
e-fairline S/FTP 2x4x2xAWG23 1000MHz Cat.7 orange	100m Box	7,5x15,3	11384022BOX