

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
Trennkategorie nach EN 50174-2: d

Besondere Merkmale

Eigenschaften

GHMT Zertifiziert
halogenfrei
Dca
Karton mit integrierter Spule
Mantelfarbe
orange oder magenta

Physikalische Eigenschaften:

Structure	Construction	S/FTP
	Number of Pairs	4 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

Force Technology Zertifizierung



Product identification
Data Cable CAT.7 S/FTP 4PAIR 23AWG LSZH Part no.11384020
Generic cabling and cabling components standards - Category 7 cable requirements
ISO/IEC 11801-1:2017 (Ed. 1.0) / ISO/IEC 11801-2:2017 (Ed. 1.0)
IEC 61156-5:2020 (Ed. 3.0)
EN 50173-1:2018 / EN 50173-2:2018
EN 50288-4-1:2013
Standards for flammability, halogen acidity, and smoke performance
IEC 60332-1-1:2015 (Ed. 1.1) / IEC 60332-1-2:2015 (Ed. 1.1)
IEC 60754-2:2019 (Ed. 2.1)
IEC 61034-1:2019 (Ed. 3.2) / IEC 61034-2:2019 (Ed. 3.2)
Technical report
12523255-01, DANAK-19/24833

Ausführung

Aufmachung

Außen Ø mm

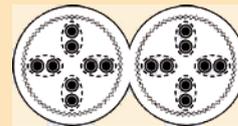
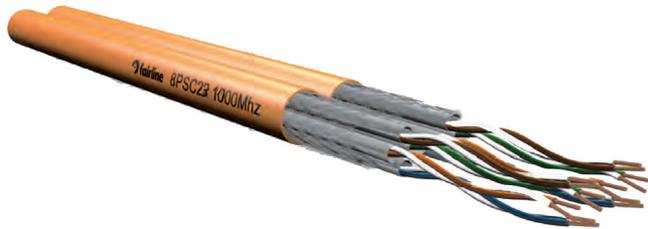
Artikelnummer

e-fairline S/FTP 4x2xAWG23 1000MHz Cat.7 magenta
e-fairline S/FTP 4x2xAWG23 1000MHz Cat.7 orange
e-fairline S/FTP 4x2xAWG23 1000MHz Cat.7 orange

100/500/1000m
100/500/1000m
200m Box

7,5
7,5
7,5

11384024
11384020
11384020BOX



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Force Technology Zertifizierung



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Data Cable CAT.7 S/FTP 2x4PAIR 23AWG LSZH dual Part no.11384022
Generic cabling and cabling components standards - Category 7 cable requirements
ISO/IEC 11801-1:2017 (Ed. 1.0) / ISO/IEC 11801-2:2017 (Ed. 1.0)
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EN 50173-1:2018 / EN 50173-2:2018
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IEC 61034-1:2019 (Ed. 3.2) / IEC 61034-2:2019 (Ed. 3.2)
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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