



FutureCom™ F/FTP 550/23, blue

Category 6_A, 1000 m

CORNING

Specifications

General Specifications

Environment	Indoor
Cable type	F/FTP
Category	6 _A
Bandwidth	550 MHz
Halogen-free	Yes
Construction	Simplex, 4P

Temperature Range

Installation and assembly	0 °C to 50 °C
Operation	-20 °C to 60 °C

Cable design

No. of pairs	4
Outer jacket material	LSZH™/FRNC
Outer jacket colour	blue

Mechanical Characteristics

Conductor Insulation	Halogen-free foam-skin material
Area/Range of Application	Dry and damp rooms
Min. bend radius operation	3x Cable-Ø
Min. bend radius installation	8x Cable-Ø
Maximum Tensile Strength	145 N
Nominal outer diameter	7.3 mm
Fire Load	0.62 MJ/m
Copper conductor	AWG 23

Electrical characteristics (at 20°C)

Largest resistance margin	1 %
Insulation Resistance	> 5000 M \times km
Impedance Z ₀ at 0.064 MHz	125 +/- 20%

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Electrical characteristics (at 20°C)

Impedance Z_0 at 1-100 MHz	100 +/- 15%
Surface transfer impedance	< 100 m /m at 10 MHz
Propagation velocity at >10 MHz (NVP* _c)	0.78 °C
Propagation delay 10 MHz	4.2 ns/m
Delay skew	4 ns/100 m
Max. loop resistance	165 /km
Coupling attenuation	> 70 dB

Electrical characteristics (at 20°C)

Frequency [MHz]*	1	10	16	20	31.25	62.5	100	250	500	550
Attenuation according to Standard [dB/100 m]*	2.1	5.9	7.5	8.4	10.5	15.0	19.1	31.1	45.3	-
Typical attenuation [dB/100 m]*	1.8	5.3	6.8	7.6	9.6	13.6	17.3	27.7	41.9	42.6
NEXT according to Standard [dB/100 m]*	75.3	60.3	57.2	55.8	52.9	48.4	45.3	39.3	34.8	-
Typical NEXT Values [dB/100 m]*	>100	>100	>100	>100	>100	97.0	95.0	90.0	83.0	77.0
ACR-N according to Standard [dB/100 m]*	73.2	54.4	49.8	47.4	42.4	33.4	26.2	8.3	-10.4	-
Typical ACR-N Values [dB/100 m]*	98.2	94.7	93.2	92.4	90.4	83.4	77.7	62.3	41.1	34.4

Chemical Characteristics

RoHS	Free of hazardous substances according to RoHS 2002/95/EG
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Ordering Information

Part Number	CCXEDA-D0047-C001-L7
Product Description	FutureCom™ F/FTP 550/23, 1000 m
EAN Code	4042673544098
Weight	49 kg/km
Length	1,000 m

Shipping Information

Packing type	Drum
Maximum delivery length	1,000 m

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The logo consists of a solid blue square with the word "CORNING" written in white, uppercase, sans-serif font centered within the square.

Notes



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