



FutureCom™ S/FTP 550/23, blue

Category 6_A, 1000 m

CORNING

Specifications

General Specifications

Environment	Indoor
Cable type	S/FTP
Category	6 _A
Bandwidth	550 MHz
Halogen-free	Yes

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
Min. Bend Radius Operation	3x Cable-Ø (over flat side)
Min. Bend Radius Installation	8x Cable-Ø (over flat side)
Copper conductor	AWG 23
Fire Load	0.57 MJ/m
Maximum Tensile Strength	145 N
Nominal Outer Diameter	7.2 mm

Electrical characteristics (at 20°C)

Largest resistance margin	1 %
Insulation Resistance	> 5000 MΩ x km
Surface transfer impedance	< 5 mΩ/m at 10 MHz
Propagation velocity at >10 MHz (NVP*c)	0.79 * c
Propagation delay ≥10 MHz	4.2 ns/m

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Electrical characteristics (at 20°C)

Delay skew	4 ns/100 m
Coupling attenuation	88 dB
Max. loop resistance	165 Ω/km

Electrical characteristics (at 20°C)

Frequency [MHz]*	1	10	16	20.0	31.25	62.5	100.0	250.0	500.0	550.0
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	CCXEDB-D0047-C001-L7
Product Description	FutureCom™ S/FTP 550/23, 1000 m
EAN Code	4042673578017
Weight	56 kg/km
Length	1,000 m

Shipping Information

Maximum delivery length	1,000 m
Packing type	Drum

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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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