

FutureCom™ S/FTP 550/23s, blue

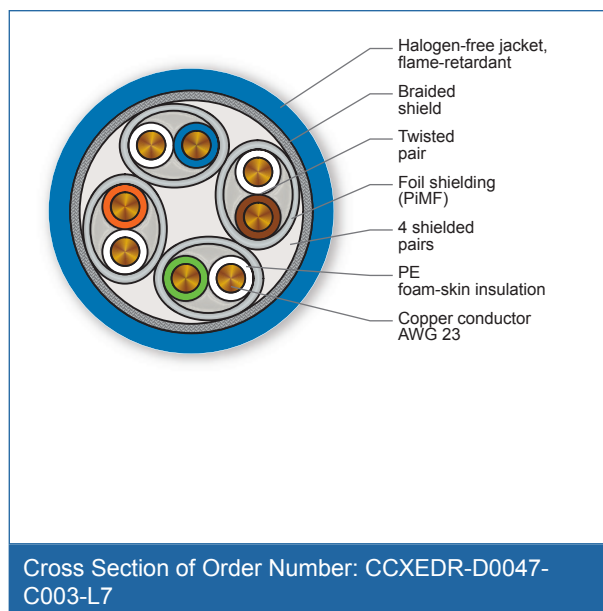
Category 6_A, 1000 m

CORNING

The particularly cost-effective FutureCom™ copper data cables with standard braiding offer solid transmission performance in typical local area applications, such as offices, retail areas, hotels and other environments without high electromagnetic interferences. In the light of its attractive price/performance ratio this cable type is interesting for cost-oriented customers.

Features

- S/FTP 550/23s copper cable specified up to 550 MHz
- Fulfills all requirements of category 6_A according to standards EN 50288-4-1 and IEC 61156-5
- Ensures high system margins according to ISO/IEC 11801 Ed. 2.2 (2011) and EN 50173 series (2011)
- Suitable for 10 Gigabit Ethernet according to IEEE 802.3an
- Supports Power over Ethernet (PoE/PoE+)
- Each twisted pair is shielded with metal foil (PIMF), low skew between the pairs
- Overall shielding with tinned copper wire braiding
- Flame retardant according to IEC 60332-1 and EN 50265-2-1 (FR) as well as non-corrosive according to IEC 60754-2 (NC) and EN 50267
- Low smoke according to IEC 61034 and EN 50268; halogen-free (ZH/OH), no development of toxic gases in case of fire
- Satisfies Class B interference radiation as well as immunity standards (EN 55022 and EN 55024)



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Specifications

General Specifications	
Environment	Indoor
Cable type	S/FTP
Category	6 _A
Bandwidth	550 MHz
Halogen-free	Yes
Construction	Simplex, 4P
Product category	Core product / Fastship

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	0.5 MJ/m
Maximum Tensile Strength	113 N
Nominal Outer Diameter	7 mm

Electrical characteristics (at 20°C)	
Largest resistance margin	1 %
Insulation Resistance	> 5000 MΩ x km
Surface transfer impedance	< 10 mΩ/m at 10 MHz
Propagation velocity at >10 MHz (NVP*c)	0.79 * c

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Electrical characteristics (at 20°C)

Propagation delay ≥ 10 MHz	4.2 ns/m
Delay skew	4 ns/100 m
Coupling attenuation	80 dB
Max. loop resistance	165 Ω /km
Voltage rating	less than 75 V d.c max and less than 50 V a.c max

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 2011/65/EU
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Ordering Information

Part Number	CCXEDR-D0047-C003-L7
Product Description	FutureCom™ S/FTP 550/23s FRNC, 1000 m
EAN Code	4042673249412
Weight	48 kg/km
Length	1,000 m

Shipping Information

Maximum delivery length	1,000 m
Packing type	Drum

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The CORNING logo is a blue square with the word "CORNING" in white, uppercase, sans-serif font centered inside.

Notes



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