FutureCom™ S/FTP 1000/23s, blue

Category 7_A, 500 m

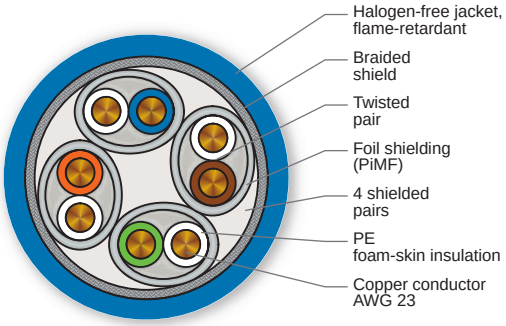
CORNING

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 electromagnet interferences. In the light of ist attractive price/performance ratio this cable type is interesting for cost-oriented customers.
The FutureCom S/FTP 1000/23s is a product with additional, continuous quality monitoring under the Premium Verification Program (PVP) of the independent GHMT AG.

Part Number: CCXEDR-I0047-C001-L6

Features

- S/FTP 1000/23s copper cable specified up to 1200 MHz
- Fulfils all requirements of category 7_A according to standards EN 50288-9 and IEC 61156-5
- Ensures high system margins according to ISO/IEC 11801 Ed.2.2 (2011) and EN 50173 Serie (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
- Low smoke according to IEC 61034 and EN 50268; halogen-free (ZH/0H), no development of toxic gases in case of fire
- Satisfies Class B interference radiation as well as immunity standards (EN 55022 and EN 55024)
- 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



Cross Section of Order Number: CCXEDR-I0047-C001-L6

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Specifications

General Specifications	
Environment	Indoor
Cable type	S/FTP
Category	7_A
Bandwidth	1200 MHz
Halogen-free	Yes
Construction	Simplex, 4P

Temperature Range	
Installation and assembly	0 °C 50 °C
Operation	-20 °C 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	0.56 MJ/m
Maximum Tensile Strength	154 N
Nominal Outer Diameter	7.3 mm

Electrical characteristics (at 20°C)	
Max. loop resistance	130 Ω/km
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

Electrical characteristics (at 20°C)									
Frequency [MHz]*	1	4	10	100	300	600	800	1,000	1,200
Attenuation according to Standard [dB/100 m]*	2.1	3.7	5.8	18.5	32.7	47.1	47.1	61.9	-
Typical attenuation [dB/100 m]*	1.7	3.3	5.0	16.8	30.0	42.5	50.3	57.5	63.5
NEXT according to Standard [dB/100 m]*	78.0	78.0	78.0	72.4	65.2	60.7	60.7	57.4	-
Typical NEXT Values [dB/100 m]*	105	105	105	105	100	95	93	88	85
ACR-N according to Standard [dB/100 m]*	75.9	74.3	72.2	53.9	32.6	13.6	13.6	-4.5	-
Typical ACR-N Values [dB/100 m]*	103.3	101.7	100	88.2	70	52.5	42.7	30.5	21.5

Chemical Characteristics	
RoHS	Free of hazardous substances according to RoHS 2002/95/EG

Ordering Information

Part Number	CCXEDR-I0047-C001-L6
Product Description	FutureCom™ S/FTP 1000/23s, 500 m
EAN Code	4042673974338
Weight	55 kg/km
Length	1,000 m

Shipping Information

Maximum delivery length	500 m
Packing type	Drum

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Category 7_A, 500 m

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Notes

RoHS COMPLIANT

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