FutureCom™ S/FTP 800/23s, blue

Category 7, 1000 m

The FutureCom™ S/FTP 800/23s cable is designed for applications up to 1000 MHz and its transmission characteristics exceed Category 7 specifications according to EN 50288-4-1 and IEC 61156-5.

High system margins for the complete link according to ISO/IEC 11801 AMD:2 (2010) and EN 50173 (Series) will be achieved by using corresponding hardware together with this high-end copper cable.

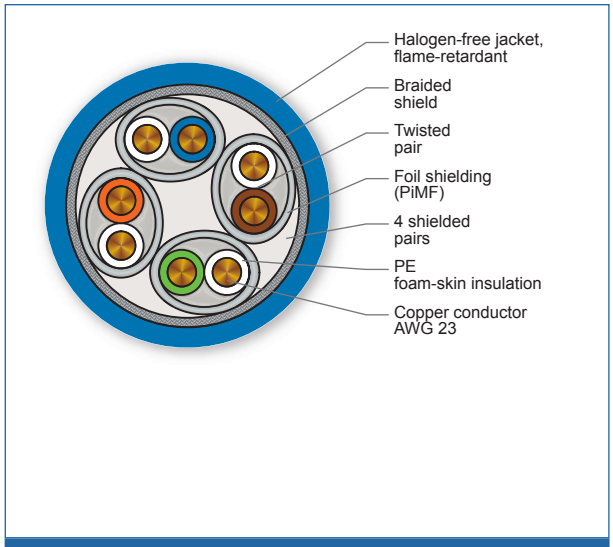
Due to the very low delay skew between the pairs these FutureCom cables are especially suitable for Gigabit Ethernet and also for transmission of digital data for future applications up to 10 Gigabit Ethernet according to IEEE 802.3an.

Each pair is individually foil shielded. The stranded pairs (PiMF) are also sheathed with a braid shield (S/FTP), which guarantees outstanding shielding characteristics. The cable satisfies Class B interference radiation standards according to EN 55022, as well as immunity according to EN 55024, which enables the realisation of CE-compatible networks.

Part Number: CCXEDR-F0047-C001-L7

Features

- S/FTP 800/23s cable specified up to 1000 MHz
- Fulfills all requirements according to standards EN 50288-4-1 up to 600 MHz and IEC 61156-5
- Outstanding electrical characteristics
- Each twisted pair is shielded with metal foil (PIMF)
- Wire colour coding: white/blue, white/orange, white/green, white/brown
- Complete shielding with tinned copper braid shield (coverage approx. 30%)
- Streamlined design, lightweight
- Lightweight
- Low skew between the pairs
- Halogen-free (LSZH™)



Cross Section of Order Number: CCXEDR-F0047-C001-L7

Standards

Approvals and Listings	Flame retardant according to IEC 60332-1 and EN 50266-2-1

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CORNING

Specifications

General Specifications	
Environment	Indoor
Cable type	S/FTP
Category	7
Bandwidth	1000 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	0.56 MJ/m
Maximum Tensile Strength	154 N
Nominal Outer Diameter	7.3 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
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	80 dB
Max. loop resistance	130 Ω/km

Electrical characteristics (at 20°C)								
Frequency [MHz]*	1	4	10	100	300	600	800	1,000
Attenuation according to Standard [dB/100 m]*	2.0	-	5.7	18.5	33.3	48.9	-	-
Typical Attenuation [dB/100 m]*	1.8	3.4	5	16.9	30.7	43.0	51.0	58
NEXT according to Standard [dB/100 m]*	80.0	-	80.0	72.4	65.3	60.8	-	-
Typical NEXT Values [dB/100 m]*	102	102	102	102.0	95.0	92.0	90.0	80
ACR-N according to Standard [dB/100 m]*	-	-	-	53.9	32.0	11.9	-	-
Typical ACR-N Values [dB/100 m]*	100.2	98.6	97	85.1	64.3	49.0	39.0	22

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

Ordering Information

Part Number	CCXEDR-F0047-C001-L7
Product Description	FutureCom™ S/FTP 800/23s FRNC, 1000 m
EAN Code	4042673577157
Weight	52 kg/km
Length	1,000 m

Shipping Information

Maximum delivery length	1,000 m
Packing type	Drum

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Category 7, 1000 m

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Notes

RoHS COMPLIANT

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