FutureCom™ S/FTP 1200/22, blue

Category 7_{A+}, 1000 m

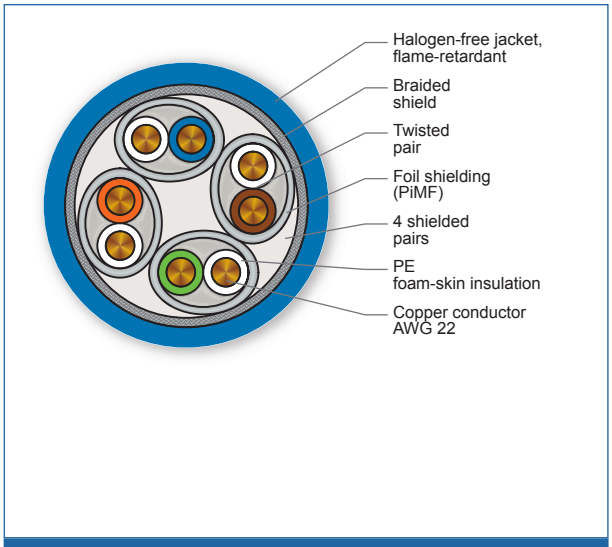
The FutureCom™ copper data cables with high-density braiding are especially interference-resistant and therefore particularly suitable for deployment in environments of increased electromagnetic interferences, such as data centres and manufacturing areas as well as recommended for high quality conscious customers.



Part Number: CCXFCB-L0047-C001-L7

Features

- S/FTP 1200/22 cable specified up to 1400 MHz
- Fulfils all requirements of Cat.7_{A+} according to EN 50288-9-1, IEC 61156-5 and IEC 61156-7
- Ensures high system margins according ISO/IEC 11801 Ed.2.2 (2011) and EN 50173 series (2011)
- Suitable for 10 Gigabit Ethernet according to IEEE 802.3 an
- Supports Power over Ethernet (PoE / PoE+)
- Each twisted pair is shielded with aluminum foil (PIMF), low skew between the pairs
- Overall shielding with tinned copper wire braiding
- Flame retardant according to IEC 60332-3-24 and EN 50266-2-4 (FR), EN 13501-6, non-corrosive according to IEC 60754-2 (NC) and EN 50267
- 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)



Cross Section of Order Number: CCXFCB-L0047-C001-L7

Standards

Approvals and Listings

Flame retardant according to IEC 60332-3-24 and EN 50266-2-4

Reaction to fire according to EN 13501-6

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Specifications

General Specifications	
Environment	Indoor
Cable type	S/FTP
Category	7_{A+}
Bandwidth	1400 MHz
Reaction to fire	Dca, s2,d2,a1
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	
Conductor	Copper Wire, AWG22
Conductor Insulation	Halogen-free foam-skin material
Twisting	2 cores to a pair
Pair screen	Al-laminated foil around each pair
No. of pairs	4
Overall screen	Copper braid, tinned
Outer jacket material	LSZH™/FRNC
Outer jacket colour	Blue

Mechanical Characteristics	
Min. Bend Radius Operation	3x Cable-Ø (over flat side)
Min. Bend Radius Installation	8x Cable-Ø (over flat side)
Maximum Tensile Strength	179 N
Nominal Outer Diameter	7.7 mm
Fire Load	0.66 MJ/m

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Electrical characteristics (at 20°C)	
Conductor resistance unbalance	1 %
Insulation Resistance	> 5000 MΩ*km
Surface transfer impedance	< 2 mΩ/m at 10 MHz
Propagation velocity at >10 MHz (NVP*c)	0.77 * c
Propagation delay ≥10 MHz	4.2 ns/m
Delay skew	6 ns/100 m
Coupling attenuation	90 dB
Max. loop resistance	118 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	4	10	100	300	600	1,000	1,200	1,400
Attenuation according to Standard [dB/100 m]*	-	3.5	5.4	17.5	31.5	46.3	62.0	69.0	-
Typical attenuation [dB/100 m]*	1.7	3.2	4.5	15.4	28.3	40.2	52.1	57.1	61.3
NEXT according to Standard [dB/100 m]*	-	78.0	78.0	76.0	69.0	64.0	61.0	60.0	-
Typical NEXT Values [dB/100 m]*	105	105	105	105	102.0	97	90	87	83
ACR-N according to Standard [dB/100 m]*	-	74.5	72.6	58.5	37.5	17.7	-	-	-
Typical ACR-N Values [dB/100 m]*	103.3	101.8	100.5	89.6	73.7	56.8	37.9	29.9	21.7

Chemical Characteristics	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU

Ordering Information

Part Number	CCXFCB-L0047-C001-L7
Product Description	FutureCom™ S/FTP 1200/22, 4P, LSOH-3 Cable: twisted pair, foilshielded pair (PIMF) and braid shield, spec. up to 1400MHz, AWG 22, 4 pairs, LSOH flame-retardant acc. to IEC60332-3, blue, Cat.7_{A+} acc. ISO/IEC11801, FRNC, Dca,s2,d2,a1
EAN Code	4042673577508
Weight	66 kg/km
Length	1,000 m

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Shipping Information

Maximum delivery length	1,000 m
Packing type	Drum

RoHS COMPLIANT

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