

# FutureCom™ S/FTP 1200/22, blue

Category 7<sub>A+</sub>, 1000 m

CORNING

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.

## Features

S/FTP 1200/22 copper cable specified up to 1400 MHz

Fulfills all requirements of category 7A 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+)

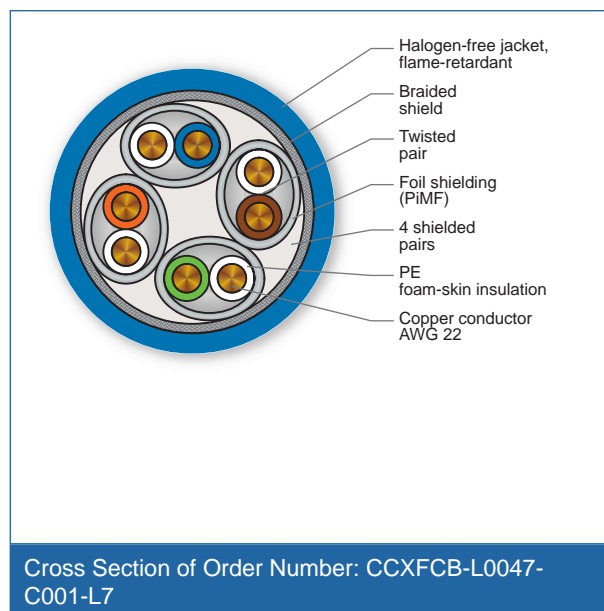
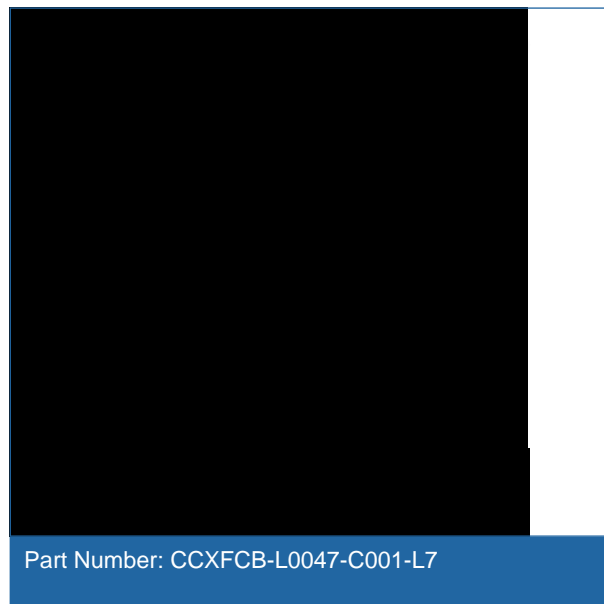
Each twisted pair is shielded with aluminum foil (PIMF), low skew between the pairs

Overall shielding with tinned copper wire braiding

Flame retardant according to IEC 60332-3-24 and EN 50266-2-4 (FR), 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	7 <sub>A+</sub>
Bandwidth	1400 MHz
Halogen-free	Yes
Construction	Simplex, 4P

### 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 22
Fire Load	0.66 MJ/m
Maximum Tensile Strength	179 N
Nominal outer diameter	7.7 mm

### Electrical characteristics (at 20°C)

Largest resistance margin	1 %
Insulation Resistance	> 5000 M x km
Surface transfer impedance	< 2 m /m at 10 MHz
Propagation velocity at >10 MHz (NVP*c)	0.77 * c

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## Electrical characteristics (at 20°C)

Propagation delay 10 MHz	4.2 ns/m
Delay skew	6 ns/100 m
Coupling attenuation	90 dB
Max. loop resistance	118 $\Omega$ /km

## 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]*	-	-	73.0	59.0	37.0	18.0	-	-	-
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 2002/95/EG
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## 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 <sub>A+</sub> acc. ISO/IEC11801, FRNC
EAN Code	4042673577508
Weight	66 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 within it.

## Notes



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