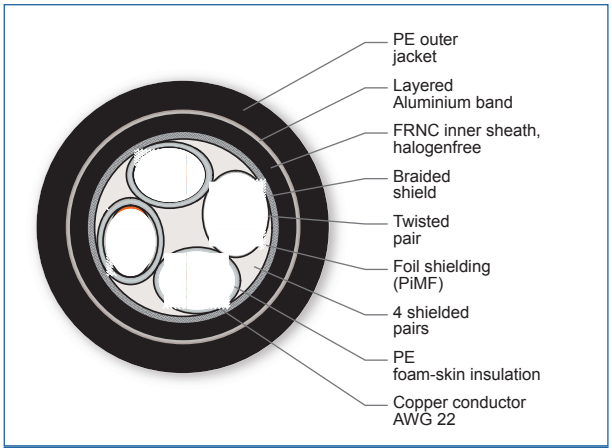
FutureCom™ S/FTP 1200/22 A-XR with Diffusion Barrier

black, 1000 m

CORNING

The Future*Com*™ S/FTP 1200/22 “Augmented Extended Reach” (propagation delay and attenuation optimised) outdoor cable with diffusion barrier cable is specified up to 1400 MHz and provides transmission performance meeting Category 7, 7_A, and 1400 MHz Multimedia cable specifications according to EN 50288-9-1, IEC 61156-5 and IEC61156-7. Outstanding system headroom of the complete cabling system in compliance with ISO/IEC 11801 AMD:1 & AMD:2 and EN 50173 Series. Outstanding performance for the transmission of digital data signals for future coming applications up to 10GbE in compliance with the current Class EA and IEEE 802.3an standard.
Future*Com* cables are low skew products, i.e. the difference in propagation delay between the individual pairs is very low. This is increasingly being requested for Gigabit Ethernet. The suitability of the cable for high-bit-rate transmission systems ensures a high degree of future proofing. Additional features are the slim design and low weight of the cables. Each pair is individually shielded with foil (FTP). The twisted pairs are additionally enclosed as a group in a braided shield (S/FTP) to provide superior shielding performance. The cable thus exceeds the requirements for EN 55022 Class B emission and EN 55024 immunity, enabling networks to be built which are compliant with the standards on electromagnetic compatibility.

Part Number: CCXSCB-L0047-C002-L7



Cross Section of Order Number: CCXSCB-L0047-C002-L7

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Specifications

General Specifications	
Environment	Outdoor
Cable Type	S/FTP
Category	7_A
Bandwidth	1400 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	Polyethylene (PE)
Outer Jacket Colour	black

Mechanical Characteristics	
Conductor insulation	Halogen-free foam-skin material
Min. Bend Radius Operation	≥ 37 mm
Min. Bend Radius Installation	≥ 98 mm
Copper conductor	AWG 22
Fire Load	3.17 MJ/m
Maximum Tensile Strength	400 N
Nominal Outer Diameter	12.2 mm

Electrical characteristics (at 20°C)	
Largest resistance margin	1 %
Insulation Resistance	> 5000 MΩ x km
Surface transfer impedance	< 2 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	2 ns/100 m
Coupling Attenuation	90 dB
Max. loop resistance	108 Ω/km
Impedance Z_o at 0.064 MHz	125 Ω +/- 20%
Impedance Z_o at 1-100 MHz	100 Ω +/-15%

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]*	2.1	3.7	5.8	-	32.7	47.1	-	-	-
Typical attenuation [dB/100 m]*	1.6	3.1	4	13.9	26.5	36.9	47.5	53.7	57.9
NEXT according to standard [dB/100 m]*	78.0	78.0	78.0	-	65.2	60.7	-	-	-
Typical NEXT values [dB/100 m]*	110	110	110	110	105	100	92	88	86
ACR-N according to Standard [dB/100 m]*	75.9	74.3	72.2	-	32.6	13.6	-	-	-
Typical ACR-N values [dB/100 m]*	108.4	106.9	106	96.1	78.5	63.1	44.5	34.3	28.1

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

Ordering Information

Part Number	CCXSCB-L0047-C002-L7
Product Description	FutureCom™ S/FTP 1200/22 A-XR with Diffusion Barrier, black, 1000 m
EAN Code	4042673547150

Shipping Information

Packing type	Drum

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Notes

RoHS COMPLIANT

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