

FutureCom™ S/FTP1200/22, Outdoor & Tunnel, Category 7A+, PE, Fca 4P, Black

CORNING

Part Number:
CCXSCB-L0047-C002-L7

FutureCom™ S/FTP 1200/22, 4P, Outdoor and tunnel Cable: twisted pair, foil shielded pair (PIMF) and braid shield, spec. up to 1400MHz, AWG 22, 4 pairs, PE (Polyethylen), Cat.7A+ acc. to ISO/IEC11801, Fca

Features and Benefits

Outdoor and Tunnel S/FTP 1200/22 cable specified up to 1400 MHz

Fulfils all requirements of category 7A+ according to EN 50288-9-1 and IEC 61156-5

Ensures high system margins according ISO/IEC 11801 Ed.2.2 (2011) and EN 50173-1 series (2011)

Suitable for 10 Gigabit Ethernet according to IEEE 802.3 an

Each twisted pair is individually shielded with a Al-laminated foil around each pair (PIMF)

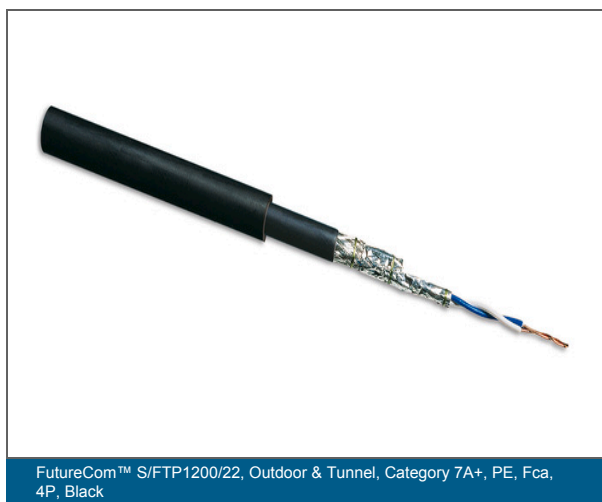
Overall shielding with tinned copper wire braiding

Non-corrosive according to IEC 60754-2 (NC)

Low smoke according to IEC 61034

Satisfies Class B interference radiation as well as immunity standards (EN 55022 and EN 55024)

Supports Power over Ethernet (PoE / PoE+ / PoE++) according IEEE 802.3bt



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Specifications

Environmental Conditions	
Temperature Range, Installation	0 °C to 50 °C
Temperature Range, Operation	-40 °C to 60 °C

General Specifications	
Environment	Outdoor and Tunnel
Category	7A+
Cable Type	S/FTP
Bandwidth	1400 MHz
Halogen-free	Yes
Radial watertight	Yes
Construction	Simplex, 4P
UV resistant	Yes
Reaction to fire	Fca

Cable Design	
Conductor	Copper Wire, AWG 22
Conductor Insulation	Halogen-free foam-skin material
Twisting	2 cores to a pair
Pair screen	Al-laminated foil around each pair
Outer Jacket Material	Polyethylene (PE)
Outer Jacket Color	Black

Mechanical Specifications	
Fire Load	3170 MJ/m
Nominal Outer Diameter	12.2 mm x 8.08 mm

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Mechanical Specifications

Min. Bend Radius Installation	8x Cable-Ø (over flat side)
Maximum Tensile Strength	400 N

Electrical Characteristics

Conductor resistance unbalance	1 %
Delay skew	15 ns/100 m
Max. loop resistance	110 MΩ*km
Propagation delay	450 ns/100 m
Voltage rating	Less than 75 V d.c max and less than 50 V a.c max
Insulation Resistance	5000 MΩ*km
Surface transfer impedance	5 mΩ
Propagation Velocity at >10 MHz (NVP*c)	80 %
Coupling Attenuation	85 dB

Ordering Information

Product Number	CCXSCB-L0047-C002-L7
Length	1000 m
Weight	162 kg
Packing Type	Drum

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	IEC 61156-5; EN 50288-9-1, ISO/IEC 11801 Ed. 2.2; EN 50173-1, ANSI/TIA -568-C-2; IEC60304
Design and Test Criteria	IEEE 802.3 an 1000 Base-TCompliant with PoE / PoE++ IEEE 802.3af, IEEE 802.3at and IEEE 802.3bt

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Electrical Characteristics									
Frequency [MHz]	1	4	10	100	300	600	1000	1200	1400
Attenuation according to Standard [db/100m]	2.1	3.5	5.8		32.7	47.1			
Typical attenuation [db/100m]	1.6	3.1	4.0	13.9	26.5	36.9	47.5	53.7	57.9
NEXT according to Standard [db/100m]	78.0	78.0	78.0		65.2	60.7			
Typical NEXT Values [db/100m]	110.0	110.0	110.0	110.0	105.0	100.0	92.0	88.0	86.0
ACR-N according to Standard [db/100m]	75.9	74.3	72.2		32.6	13.6			
Typical ACR-N Values [db/100m]	108.4	106.9	106.0	96.1	78.5	63.1	44.5	34.3	28.1



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