Everon™ Copper Datacom S/FTP 1200/22s, Category 7A+, LSZH™/FRNC, Dca 4P, Blue

CORNING

Part Number:
CCXFCR-I0047-C002-L7

The Everon™ Copper Datacom S/FTP 1200/22s cable is designed up to 1300MHz and its transmission characteristics exceed Category 7A+ specifications according to EN50288-9-1 IEC 61156-5. High system margins for the complete link according to the last version of ISO/IEC 11801 and EN 50173 (Series) will be achieved by using corresponding hardware together with this highend 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. The cable has a streamlined construction and low weight. Overall shielding with tinned copper wire braiding and each twisted pair is individually shielded with a Allaminated foil (S/FTP). The cable satisfies Class B interference radiation standards according to EN 55022, as well as immunity according to EN 55024, which enables the realization of CE-compatible networks.

Features and Benefits

S/FTP 1200/22s cable specified up to 1300 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 series (2011)

Suitable for 10 Gigabit Ethernet according to IEEE 802.3an

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

Overall shielding with tinned copper wire braiding

Flame retardant according to IEC 60332-1 and IEC 60332-3, EN 13501-6 and EN 50575 as well as non-corrosive according to IEC 60754-2 (NC)

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)

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

S/FTP 1200/22s cable specified up to 1300 MHz

FutureCom™ S/FTP 1000/22s, Category 7A+, LSZH™/FRNC, Dca, 4P, blue

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Specifications

Environmental Conditions	
Temperature Range, Installation	0 °C to 50 °C
Temperature Range, Operation	-20 °C to 60 °C

General Specifications	
Environment	Indoor
Category	7A+
Cable Type	S/FTP
Bandwidth	1300 MHz
Halogen-free	Yes
Construction	Simplex, 4P
Reaction to fire	Dca, s1, d1, a1
Brand	Everon™

Cable Design	
Conductor	Copper Wire, AWG 22/1
Conductor Insulation	Halogen-free foam-skin material
Twisting	2 cores to a pair
Pair screen	Al-laminated foil around each pair
Outer Jacket Material	LSZH™/FRNC
Outer Jacket Color	Blue

Mechanical Specifications	
Fire Load	560 MJ/km
Nominal Outer Diameter	7.3 mm
Min. Bend Radius Installation	8x Cable-Ø

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Mechanical Specifications

Maximum Tensile Strength	179 N

Electrical Characteristics

Conductor resistance unbalance	1 %
Delay skew	15 ns/100 m
Max. loop resistance	128 Ω/km
Propagation delay	450 ns/100 m
Voltage rating	Less than 75 V d.c max and less than 50 V a.c max
Surface transfer impedance	10 mΩ
Propagation Velocity at >10 MHz (NVP*c)	79 %
Coupling Attenuation	85 dB
Insulation Resistance	> 5000 MΩ*km

Ordering Information

Product Number	CCXFCR-I0047-C002-L7
Length	1000 m
Weight	52 kg
Packing Type	Drum
Units per Delivery	1/1

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	1000 Base-T IEEE 802.3 an; PoE / PoE++ IEEE 802.3af, IEEE 802.3at, IEEE 802.3bt
Flame propagation test	IEC 60332-1; IEC 60332-3-24
Smoke density	IEC 61034-2

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Standards

Halogen content test	Zero Halogen to IEC 60754-1
Level of corrosion	Non-corrosive according to IEC 60754-2

Electrical Characteristics

Frequency [MHz]	1	4	10	100	300	600	1000	1200	1300
Attenuation according to Standard [db/100m]	2.1	3.7	5.8	18.5	32.7	47.1	61.9		
Typical attenuation [db/100m]	1.7	3.3	5.0	16.7	29.1	41.7	54.5	59.0	62.5
NEXT according to Standard [db/100m]	78.0	78.0	78.0	72.4	65.2	60.7	57.4		
Typical NEXT Values [db/100m]	105.0	105.0	105.0	105.0	101.0	96.0	89.0	86.0	84.0
ACR-N according to Standard [db/100m]	75.6	74.3	72.2	53.9	32.6	13.6	-4.5		
Typical ACR-N Values [db/100m]	103.3	101.7	100.0	88.3	71.9	54.3	34.5	27.0	21.5

RoHS COMPLIANT

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