Everon® Copper Datacom S/FTP 2000/23, Category 8, LSZH™/FRNC, Dca 4P, blue

Part Number:
CCXHDB-ND047-C001-L7

The Everon® S/FTP 2000/23 cable is designed for applications up to 2000 MHz and its transmission characteristics exceed Category 8 specifications according to EN50288-12-1 IEC 61156-9.
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 2000/23 cable specified up to 2000 MHz

Fulfils all requirements of category EN50288-12-1 and IEC 61156-9

Suitable for Class D to I/II according to ISO/IEC 11801. EN50173 and 10 Gigabit Ethernet according to IEEE 802.3an

Tested and approved for Power over Ethernet applications (PoE/PoE+/4PPoE) according to IEEE 802.3af, EEE 802.3at and EEE 802.3bt up to 90W

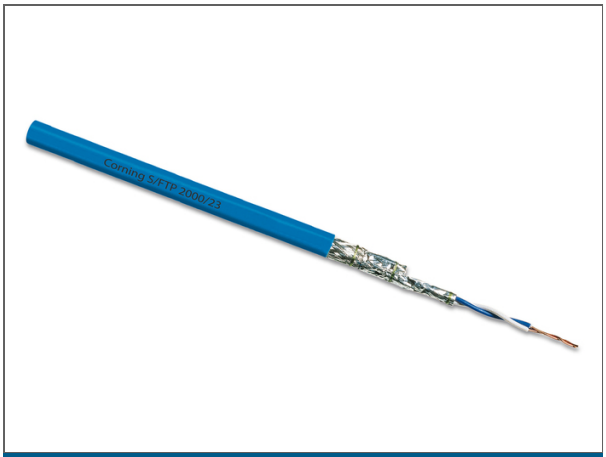
Certified by a vendor-independent and impartial test lab (GHMT AG)

Low smoke according to IEC 61034-2

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

Overall shielding with tinned copper wire braiding and each twisted pair is individually shielded with an Al-laminated foil (S/FTP)

Length marking on jacket



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CORNING

Specifications

General Specifications	
Category	8
Cable type	S/FTP
Bandwidth	2000 MHz
Halogen-free	Yes
Construction	Simplex, 4P
Reaction to Fire	Dca, s2, d1, a1
Brand	Everon

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Flame Test Method	Flame retardant according to IEC 60332-3-24 (bunch of cables)
Smoke density	IEC 61034-2

Environmental Conditions	
Temperature range, installation	0 °C to 50 °C
Temperature range, operation	-20 °C to 60 °C

Cable Design	
Conductor	Copper Wire, AWG 23
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 colour	Blue

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Mechanical Characteristics	
Fire load	720 MJ/m
Nominal outer diameter	8.1 mm
Min. bend radius installation	8x Cable-Ø
Maximum tensile strength	110 N

Electrical Characteristics	
Conductor resistance unbalance	0.01 %
Delay skew	10 ns/100 m
Max. loop resistance	135 Ω/km
Propagation delay	460 ns/m
Voltage rating	1 kV / 1min (wire-wire, wire-shield)
Propagation velocity at >10 MHz (NVP*c)	75 %
Coupling attenuation	75 dB
Segregation Class	d
Insulation Resistance	5000 MΩ*km

Ordering Information	
Product Number	CCXHDB-ND047-C001-L7
Cable length	1000 m
Packaging method	Drum
Units per delivery	1/1

Electrical Characteristics								
Frequency [MHz]	4	10	100	250	600	1000	1600	2000
Attenuation according to Standard [db/ 100m]	3.5	5.5	17.5	31.5	46.3	61.9		

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Electrical Characteristics								
Typical attenuation [db/100m]	3.1	5.0	16.6	26.6	41.6	54.3	70.0	78.3
NEXT according to Standard [db/100m]	78.0	78.0	72.4	69.0	60.7	57.4		
Typical NEXT Values [db/100m]	100.0	100.0	100.0	97.0	94.0	90.0	85.0	80.0
ACR-N according to Standard [db/100m]	74.5	72.6	54.9	37.5	14.4	-4.5		
Typical ACR-N Values [db/100m]	100.0	100.0	100.0	89.0	80.0	74.0	64.0	56.0

RoHS COMPLIANT

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