

Everon™ Copper Datacom S/FTP1000/23, Category 7A, LSZH™/FRNC, Dca 4P, Blue



Specifications

General Specifications	
Environment	Indoor
Category	7A
Cable type	S/FTP
Bandwidth	1200 MHz
Halogen-free	Yes
Construction	Simplex, 4P
Reaction to fire	Dca, s1, d1, a1
Legacy Part Number	CCXEDB-I0047-C001-L7
Brand	Everon®

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
Halogen content test	Zero Halogen to IEC 60754-1

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

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Cable Design

Conductor	Copper Wire, AWG 23/1
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 colour	Blue

Mechanical Characteristics

Fire load	620 MJ/km
Nominal outer diameter	7.5 mm
Min. bend radius installation	8x Cable-Ø
Min. bend radius operation	3x Cable-Ø (over flat side)
Maximum tensile strength	154 N

Electrical Characteristics

Conductor resistance unbalance	1 %
Delay skew	12 ns/100 m
Max. loop resistance	135 Ω/km
Propagation delay	439 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)	76 %
Coupling attenuation	85 dB
Insulation Resistance	> 5000 MΩ*km

Ordering Information

Product Number	CCXEDB-I0047-C001-L7
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Ordering Information

Weight	61 kg
Packing type	Drum
Units per delivery	1/1

Electrical Characteristics

Frequency [MHz]	1	4	10	100	300	600	1000	1200
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	29.5	42.0	56.0	62.0
NEXT according to Standard [db/100m]	78.0	78.0	78.0	76.0	69.0	64.0	61.0	
Typical NEXT Values [db/100m]	105.0	105.0	105.0	105.0	100.0	95.0	88.0	85.0
ACR-N according to Standard [db/100m]	75.9	74.5	72.6	58.5	37.5	17.7	-4.5	
Typical ACR-N Values [db/100m]	103.3	101.7	100.0	88.3	70.5	53.0	32.0	23.0



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