

Everon™ Copper Datacom U/FTP, 550/23, Category 6A, LSZH™/FRNC, Dca 4P, Green



Part Number:
MCXEDA-DD047-V004-L7

FutureCom™ U/FTP 550/23, 4P, LSOH-1 Cable: twisted pair, foilshielded pair, surrounded by LSOH-1 Jacket, spec. up to 550MHz, AWG 23, 4 pairs, LSOH-1 Jacket, Green, Cat.6A acc. ISO/IEC11801, Dca -s1, d1, a1

Features and Benefits

U/FTP 550/23 cable designed up to 550 MHz

Fulfills all requirements of category 6A EN50288-10-1 and IEC 61156-5

Suitable for Classe D to EA 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, IEEE 802.3at and IEEE 802.3bt up to 90W

Flame retardant and non corrosive (FRNC), Low smoke and halogen-free (LSZH)

Each twisted pair is individually shielded with a Allaminated foil (U/FTP)

Length marking on jacket

Dca-s1,d1,a1

Everon™ Copper Datacom U/FTP, 550/23, Category 6A, LSZH™/FRNC, Dca 4P, Green



Specifications

General Specifications	
Environment	Indoor
Category	6A
Cable type	U/FTP
Bandwidth	550 MHz
Halogen-free	Yes
Construction	Simplex, 4P
Reaction to fire	Dca, s1, d1, a1
Legacy Part Number	VOL6AUFL41000
Brand	Everon®

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	IEC 61156-6; EN 50288-5-2, 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	
Temperature range, installation	0 °C to 50 °C
Temperature range, operation	-20 °C to 60 °C

Cable Design	
Conductor	Copper Wire, AWG 23/1

Everon™ Copper Datacom U/FTP, 550/23, Category 6A, LSZH™/FRNC, Dca 4P, Green



Cable Design

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	Green

Mechanical Characteristics

Fire load	550 MJ/km
Nominal outer diameter	6.9 mm
Min. bend radius installation	8x Cable-Ø
Maximum tensile strength	95 N

Electrical Characteristics

Conductor resistance unbalance	1 %
Delay skew	9 ns/100 m
Max. loop resistance	165 Ω/km
Propagation delay	425 ns/100 m
Voltage rating	Less than 75 V d.c max and less than 50 V a.c max
Surface transfer impedance	100 mΩ
Propagation velocity at >10 MHz (NVP*c)	79 %
Coupling attenuation	55 dB
Segregation Class	c
Insulation Resistance	> 5000 MΩ*km

Ordering Information

Product Number	MCXEDA-DD047-V004-L7
Weight	44 kg

Everon™ Copper Datacom U/FTP, 550/23, Category 6A, LSZH™/FRNC, Dca 4P, Green



Ordering Information

Packing type	Drum
Units per delivery	1/1

Electrical Characteristics

Frequency [MHz]	1	10	16	20	31	63	100	250	500	550
Attenuation according to Standard [db/100m]	2.1	5.9	7.5	8.4	10.5	15.0	19.1	31.1	45.3	
Typical attenuation [db/100m]	1.8	5.3	6.8	7.6	9.6	13.6	17.3	27.7	41.9	42.6
NEXT according to Standard [db/100m]	75.3	60.3	57.2	55.8	52.9	48.4	45.3	39.3	34.8	
Typical NEXT Values [db/100m]	100.0	100.0	100.0	100.0	100.0	97.0	95.0	90.0	83.0	77.0
ACR-N according to Standard [db/100m]	73.2	54.4	49.8	47.4	42.4	33.4	26.2	8.3	-10.4	
Typical ACR-N Values [db/100m]	98.2	94.7	93.2	92.4	90.4	83.4	77.7	62.3	41.1	34.4



Corning Optical Communications GmbH & Co. KG • Lelpziger Strasse 121 • 10117 Berlin, Germany
+00 800 2675 4641 • FAX: +49 30 5303 2335 • www.corning.com/opcomm/emea

A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/emea/trademarks. Corning Optical Communications is ISO 9001 and ISO 14001 certified. © 2023 Corning Optical Communications. All rights reserved.