

Everon® Copper Datacom U/UTP 550/24, Category 6A, LSZH/FRNC, Eca 4P, Green

CORNING

Part Number: UU004891568

The Everon® Copper Datacom U/UTP 550/24 cable is designed up to 550MHz and its transmission characteristics exceed Category 6A specifications according to EN50288-11-1 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 Everon® 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. Unshielded cable (U/UTP).

Features and Benefits

U/UTP 550/24 cable designed up to 550 MHz

Fulfils all requirements of category 6A EN50288-11-1 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

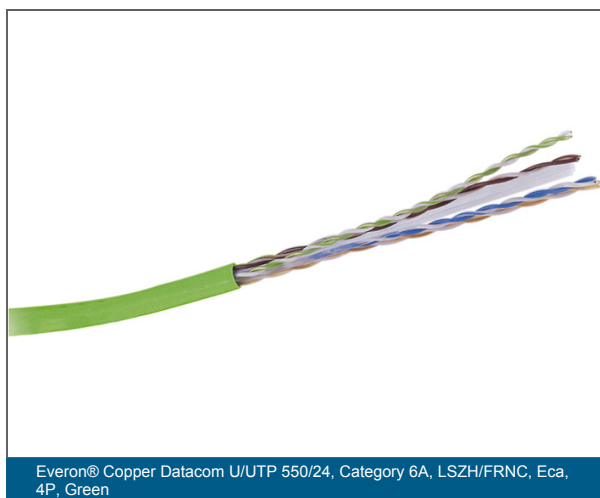
Tested and approved for Power over Ethernet applications (PoE/PoE+/4PPoE) according to IEEE 802.3af, IEEE 802.3at and IEEE 802.3bt up to 90W

Low smoke and halogen-free (LSZH)

Unshielded cable (U/UTP)

Length marking on jacket

Eca



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Specifications

General Specifications

Category	6A
Cable type	U/UTP
Halogen-free	Yes
Construction	Simplex, 4P
Reaction to Fire	Eca
Brand	Everon

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	IEC 61156-5, EN 50288-11-1, ISO/IEC 11801 Ed. 2.2, EN 50173-1, ANSI/TIA-568-C.2, IEC 60304
Design And Test Criteria	1000 Base-T IEEE 802.3 an; PoE / PoE++ IEEE 802.3af, IEEE 802.3at
Flame propagation test	IEC 60332-1
Smoke density	IEC 61034-2
Halogen content test	Zero Halogen to IEC 60754-1
Level of corrosion	Non-corrosive according to IEC 60754-2

Environmental Conditions

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

Cable Design

Conductor	Copper Wire, AWG 24/1
Conductor insulation	Halogen-free foam-skin material
Twisting	2 cores to a pair
Outer jacket material	LSZH/FRNC

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Cable Design

Outer jacket colour	Green
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Mechanical Characteristics

Fire load	1260 MJ/km
Nominal outer diameter	7.3 mm
Min. bend radius installation	8x Cable-Ø
Maximum tensile strength	160 N

Electrical Characteristics

Conductor resistance unbalance	2 %
Delay skew	45 ns/100 m
Max. loop resistance	190 Ω/km
Propagation delay	545 ns/100 m
Voltage rating	Less than 75 V DC max and less than 50 V ACC max
Propagation velocity at >10 MHz (NVP*c)	69 %
Coupling attenuation	40 dB
Insulation Resistance	> 5000 MΩ*km

Dimensions

Weight	97 kg
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Ordering Information

Product Number	UU004891568
Cable length	500 m
Packaging method	Drum
Units per delivery	1/1

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Electrical Characteristics								
Frequency [MHz]	4	10	20	63	100	250	500	550
Attenuation according to Standard [db/100m]	3.8	5.9	8.4	15.0	19.1	31.1	45.3	
Typical attenuation [db/100m]	3.6	5.7	8.3	14.8	19.0	31.0	43.0	50.0
NEXT according to Standard [db/100m]	66.3	60.3	55.8	48.4	45.3	39.3	34.8	
Typical NEXT Values [db/100m]	71.0	65.0	61.0	53.0	50.0	44.0	40.0	39.0
ACR-N according to Standard [db/100m]	62.5	54.4	47.4	33.4	26.2	8.3	-10.4	
Typical ACR-N Values [db/100m]	68.0	60.0	38.2	38.2	13.0	13.0	40.0	39.0



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