

Everon® Copper Datacom F/UTP 450/23, Category 6, LSZH/FRNC, Dca 4P, Green



Part Number:
CCXEDE-DD047-V004-L7

The Everon® Copper Datacom U/UTP 450/23 cable is designed up to 450MHz and its transmission characteristics exceed Category 6 specifications according to EN50288-6-1 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.

The cable has a streamlined construction and low weight.

Overall shielding with with a Allaminated foil and each twisted pair unshielded (F/UTP). The cable satisfies Class B interference radiation standards according to EN 55022, as well as immunity according to EN 55024, which enables the realisation of CE-compatible networks.

Features and Benefits

F/UTP 450/23 cable designed up to 450 MHz

Fulfils all requirements of category 6 EN50288-5-1 and IEC 61156-5

Suitable for Classe D to E 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

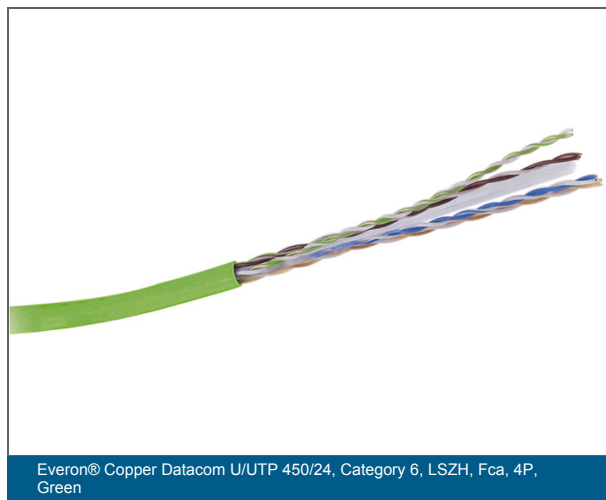
Certified by a vendor-independent and impartial test lab (GHMT AG)

Low smoke and halogen-free (LSZH)

Overall shielding with with a Allaminated foil and each twisted pair unshielded (F/UTP)

Length marking on jacket

Dca, s2, d2, a1



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Specifications

General Specifications

Environment	Indoor
Category	6
Cable type	F/UTP
Halogen-free	Yes
Construction	Simplex, 4P
Reaction to fire	Dca, s2, d2, a1
Brand	Everon®

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	IEC 61156-5; EN 50288-5-1, 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
Flame propagation test	IEC 60332-1
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
Conductor insulation	Solid PE
Twisting	2 cores to a pair
Outer jacket material	LSZH/FRNC

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Cable Design	
Outer jacket colour	Green

Mechanical Characteristics	
Fire load	720 MJ/m
Nominal outer diameter	7.4 mm
Min. bend radius installation	8x Cable-Ø
Maximum tensile strength	80 N

Electrical Characteristics	
Conductor resistance unbalance	2 %
Delay skew	45 ns/100 m
Max. loop resistance	188 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	55 dB
Segregation Class	c
Insulation Resistance	> 5000 MΩ*km

Dimensions	
Weight	55 kg

Ordering Information	
Product Number	CCXEDE-DD047-V004-L7
Cable length	1000 m
Packaging method	Drum
Units per delivery	1/1

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