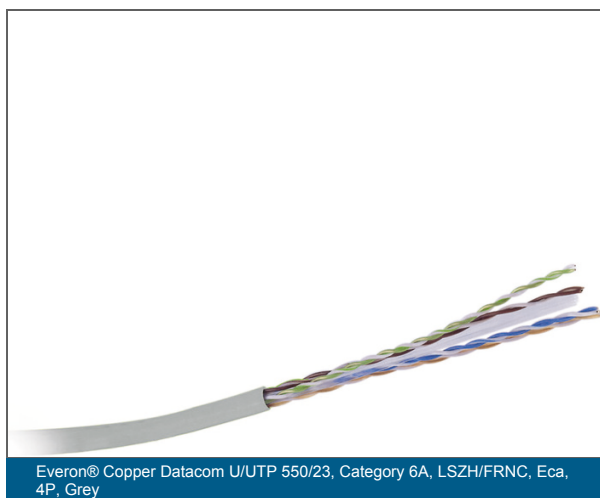


Everon® Copper Datacom U/UTP 550/23, Category 6A, LSZH/FRNC, Eca 4P, gray

CORNING

Part Number:
MCXKDE-DE047-V001-L6

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).



Everon® Copper Datacom U/UTP 550/23, Category 6A, LSZH/FRNC, Eca 4P, gray

CORNING

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 23
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 Color	Gray
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Mechanical Specifications

Fire Load	720 MJ/m
Nominal Outer Diameter	7.3 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	190 Ω/km
Propagation delay	545 ns/100 m
Voltage rating	Less than 75 V DC max and less than 50 V AC max
Propagation Velocity at >10 MHz (NVP*c)	67 %
Coupling Attenuation	40 dB
Segregation Class	d
Insulation Resistance	> 5000 MΩ*km

Dimensions

Weight	55 kg
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Ordering Information

Product Number	MCXKDE-DE047-V001-L6
Cable Length	500 m
Packaging Method	Drum
Units per Delivery	1/1

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