

Everon® Copper Datacom U/UTP 450/24, Category 6, LSZH/FRNC, Cca 4P, green

CORNING

Part Number: UU009161587

The Everon® Copper Datacom U/UTP 450/24 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. Unshielded cable (U/UTP).

Features and Benefits

U/UTP 450/24 cable designed up to 450 MHz

Fulfils all requirements of category 6 EN50288-6-1 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

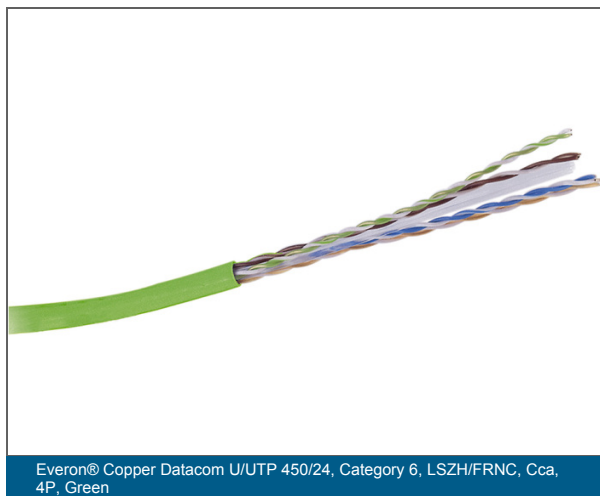
Certified by a vendor-independent and impartial test lab

Low smoke and halogen-free (LSZH)

Unshielded cable (U/UTP)

Length marking on jacket

Cca-s1a,d0,a1



Everon® Copper Datacom U/UTP 450/24, Category 6, LSZH/FRNC, Cca, 4P, Green

Everon® Copper Datacom U/UTP 450/24, Category 6, LSZH/FRNC, Cca 4P, green

CORNING

Specifications

General Specifications

Category	6
Cable Type	U/UTP
Halogen-free	Yes
Construction	Simplex, 4P
Reaction to Fire	Cca, s1a, d0, a1
Legacy Part Number	VOL6UL4305
Brand	Everon

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	IEC 61156-5, EN 50288-6-1, 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 Test Method	Flame retardant according to IEC 60332-1 and EN 50265-2-1
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

Halogen-free	Yes
Temperature Range, Installation	0 °C to 50 °C (32 °F to 122 °F)
Temperature Range, Operation	-20 °C to 60 °C (-4 °F to 140 °F)

Cable Design

Conductor	Copper Wire, AWG 24/1
-----------	-----------------------

Everon® Copper Datacom U/UTP 450/24, Category 6, LSZH/FRNC, Cca 4P, green

CORNING

Cable Design

Conductor Insulation	Solid PE
Twisting	2 cores to a pair
Outer Jacket Material	LSZH/FRNC
Outer Jacket Color	Green

Mechanical Specifications

Fire Load	440 MJ/km
Nominal Outer Diameter	6.1 mm
Min. Bend Radius Installation	8x Cable-Ø
Maximum Tensile Strength	80 N

Electrical Characteristics

Conductor resistance unbalance	2 %
Delay skew	40 ns/100 m
Max. loop resistance	190 Ω/km
Propagation delay	520 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)	69 %
Coupling Attenuation	40 dB
Segregation Class	d
Insulation Resistance	> 5000 MΩ*km

Dimensions

Weight	36 kg
--------	-------

Ordering Information

Product Number	UU009161587
----------------	-------------

Everon® Copper Datacom U/UTP 450/24, Category 6, LSZH/FRNC, Cca 4P, green

CORNING

Ordering Information

Cable Length	305 m
Packaging Method	Reelex Box
Units per Delivery	1/1

Electrical Characteristics

Frequency [MHz]	4	10	20	63	100	155	200
Attenuation according to Standard [db/100m]	4.1	6.5	9.3	17.0	22.0		
Typical attenuation [db/100m]	3.8	6.0	8.5	15.2	19.5	25.0	28.0
NEXT according to Standard [db/100m]	56.3	50.3	45.8	38.4	35.3		
Typical NEXT Values [db/100m]	63.0	57.0	52.0	45.0	42.0	39.0	37.0
ACR-N according to Standard [db/100m]	52.2	43.8	36.5	21.4	13.3		
Typical ACR-N Values [db/100m]	59.2	51.0	43.5	29.8	22.5	14.0	9.0



Corning Optical Communications LLC • 4200 Corning Place • Charlotte, NC • 28216 • United States
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

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. © 2026 Corning Optical Communications. All rights reserved.