

Everon® Réseaux Datacom – Gamme Cuivre U/FTP, 550/23, Catégorie 6A, LSZH™/FRNC, Dca 4P, Vert



Référence du produit: MCXEDA-DD047-V004-L6

The Everon® Copper Datacom U/FTP 550/23 cable is designed up to 550MHz and its transmission characteristics exceed Category 6A specifications according to EN50288-10-1 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 FutureCom 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. Each twisted pair is individually shielded with a Allaminated foil (U/FTP). The cable satisfies Class B interference radiation standards according to EN 55022, as well as immunity according to EN 55024, which enables the realization of CE-compatible networks.

Caractéristiques et Avantages

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

Fulfils 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

Testé et approuvé pour les applications d'alimentation par Ethernet (PoE/PoE+/4PPoE) conformément aux normes IEEE 802.3af, IEEE 802.3at et IEEE 802.3bt jusqu'à 90 W

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® Réseaux Datacom – Gamme Cuivre U/FTP, 550/23, Catégorie 6A, LSZH™/FRNC, Dca 4P, Vert



Spécifications

Spécifications générales

Environnement	Intérieur
Catégorie	6A
Type de câble	U/FTP
Bande passante	550 MHz
Sans halogène	Oui
Construction	Simplex, 4P
Reaction to fire	Dca, s1, d1, a1
Legacy Part Number	VOL6AUFL4500
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

Conditions externes

Températures, installation	0 °C - 50 °C
Températures, fonctionnement	-20 °C - 60 °C

Cable Design

Conductor	Copper Wire, AWG 23/1
-----------	-----------------------

Everon® Réseaux Datacom – Gamme Cuivre U/FTP, 550/23, Catégorie 6A, LSZH™/FRNC, Dca 4P, Vert

CORNING

Cable Design

Conductor insulation	Halogen-free foam-skin material
Twisting	2 cores to a 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

Référence du produit	MCXEDA-DD047-V004-L6
Weight	44 kg
Packing type	Drum

Everon® Réseaux Datacom – Gamme Cuivre U/FTP, 550/23, Catégorie 6A, LSZH™/FRNC, Dca 4P, Vert

CORNING

Ordering Information

Units per delivery

1/1

Caractéristiques électriques

Caractéristiques électriques

Fréquence [MHz]	1	10	16	20	31	63	100	250	500	550
Atténuation conforme au standard [db/100m]	2.1	5.9	7.5	8.4	10.5	15.0	19.1	31.1	45.3	
Atténuation typique [db/100m]	1.8	5.3	6.8	7.6	9.6	13.6	17.3	27.7	41.9	42.6
NEXT selon standard [db/100m]	75.3	60.3	57.2	55.8	52.9	48.4	45.3	39.3	34.8	
Valeurs typiques NEXT [db/100m]	100.0	100.0	100.0	100.0	100.0	97.0	95.0	90.0	83.0	77.0
ACR-N conforme au standard [db/100m]	73.2	54.4	49.8	47.4	42.4	33.4	26.2	8.3	-10.4	
Valeurs typiques ACR-N [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 • 10116 Berlin, Allemagne
 +33(0)24000 2184 ou +33(0)2 4000 2185 • FAX: +49 30 5303 2335 • <https://www.corning.com/opcomm/emea/fr>

Une liste complète des marques déposées de Corning Optical Communications est disponible à www.corning.com/opcomm/emea/trademarks. Corning Optical Communications est certifié selon la norme ISO 9001 et ISO 14001. © 2023 Corning Optical Communications. Tous droits réservés.