

FutureCom™ F/UTP 450/24, Category 6 4P, LSZH™, Green, Dca-s2,d2,a1, (VOL6FL41000)



CORNING

Part Number:
FQ100003216

FutureCom™ F/UTP AWG23, 4P, LSOH Cable:

Twisted pair, covered by a LSOH jacket, spec. up to 250MHz, AWG 24, 4 pairs, Cat.6 acc. ISO/IEC11801, CPR Dca

Features and Benefits

Ensures high system margins according to ISO/IEC 11801 Ed.2.2 (2011) and EN 50173 Series (2011)

Satisfies Class B + interference radiation as well as immunity standards (EN 55022 and EN 55024)

Fulfills all requirements of category 6 according to EN 50288-6-1 and IEC 61156-5

Supports Power over Ethernet (PoE / PoE+) according IEEE 802.3at

Core shielded with metal foil

F/UTP AWG24 cable specified up to 250 MHz

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Specifications

Environmental Conditions

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

General Specifications

Environment	Indoor
Category	6
Cable type	F/UTP
Bandwidth	250 MHz
Halogen-free	Yes
Construction	Simplex, 4P
Reaction to fire	Dca, s2, d2, a1

Cable Design

Conductor	Copper Wire, AWG 24
Conductor insulation	Halogen-free foam-skin material
Twisting	2 cores to a pair
Outer jacket material	LSZH™
Outer jacket colour	Green

Mechanical Characteristics

Fire load	540 MJ/m
Nominal outer diameter	6.6 mm
Min. bend radius installation	8x Cable-Ø (over flat side)
Maximum tensile strength	80 N

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Electrical Characteristics

Conductor resistance unbalance	2 %
Delay skew	40 ns/100 m
Max. loop resistance	190 Ω/km
Propagation delay ≥10 MHz	520 ns/m
Voltage rating	Less than 75 V d.c max and less than 50 V a.c max
Insulation resistance	5000 MΩ*km
Surface transfer impedance	40 mΩ
Propagation velocity at >10 MHz (NVP*c)	78 %
Coupling attenuation	55 dB

Ordering Information

Length	1000 m
Packing type	Drum
Weight	42 kg/km

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
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Corning Optical Communications GmbH & Co. KG • Leipzig Strasse 121 • 10117 Berlin, Germany
+00 800 2675 4641 • FAX: +49 30 5303 2335 • www.corning.com/opcomm/emea

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