

FutureCom™ F/UTP 550/24, Category 6A, LSZH™/FRNC, Cca 4P, LSZH™, Green, Cca- s1a,d0,a1, (VOL6AFL4C500S)

The CORNING logo is displayed in white, uppercase letters within a solid blue square.

Part Number:
UU009175736

Category 6A F/UTP 4-Pairs Cable enables deployment of shielded Category 6A / Class EA systems in the extended IEC flammability range acc. To CPR Euro-Class Cca. The cable supports high bandwidth applications operating at 10 Gbit/s. The cable is round, which simplifies jack assembly and cable management.

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Specifications

Environmental Conditions

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

General Specifications

Reaction to fire	Cca-s1a,d0,a1
Environment	Indoor
Category	6A
Cable type	F/UTP
Bandwidth	500 MHz
Halogen-free	Yes
Construction	Simplex, 4P

Cable Design

Conductor	AWG 24
Outer jacket colour	Green
Twisting	2 cores to a pair
Outer jacket material	LSZH™

Mechanical Characteristics

Nominal outer diameter	7.5 mm
Min. bend radius installation	8x Cable-Ø
Fire load	630 MJ/m

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Electrical Characteristics	
Conductor resistance unbalance	2 %
Insulation resistance	5000 M*km

Ordering Information	
Product Number	UU009175736
Length	500 m
Weight	50 kg/km
Packing type	Drum

Standards	
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Approvals and Listings	IEC 61156-5; EN 50288-10-1, ISO/IEC 11801 Ed. 2.2; EN 50173-1, ANSI/TIA -568-C-2; IEC60304
Design And Test Criteria	Compliant with PoE / PoE++ IEEE 802.3af, IEEE 802.3atIEEE 802.3 an 1000 Base-T
Flame propagation test	Flame retardant according to IEC 60332-1-2 (single cable)
Smoke density	Low Smoke to IEC 61034
Halogen content test	Zero Halogen to IEC 60754-1
Level of corrosion	Non-corrosive according to IEC 60754-2

Electrical Characteristics								
Frequency [MHz]	4	10	20	63	100	250	500	550
Attenuation according to Standard [db/100m]	3.8	5.9	8.4	15.0	19.1	31.1	45.3	
Typical attenuation [db/100m]	3.6	5.5	7.9	14.5	18.5	30.0	43.0	50.0

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Electrical Characteristics								
NEXT according to Standard [db/100m]	66.3	60.3	55.8	48.4	45.3	39.3	34.8	
Typical NEXT Values [db/100m]	71.0	65.0	61.0	53.0	50.0	44.0	40.0	39.0
ACR-N according to Standard [db/100m]	62.5	54.4	47.4	33.4	26.2	8.3	-10.4	
Typical ACR-N Values [db/100m]	78.0	70.0	64.0	54.0	50.0	45.0	40.0	39.0



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