FutureCom™ xs500 Copper Jack Cat.6A, Keystone, AWG 22-24, single pack

CORNING

Part Number:
CAXXSM-00104-C001

All of Corning's extra performance packaged in an extra affordable form with extra flexibility. At the heart of your copper solution, the xs500 runs through the core of your infrastructure. A FutureCom™ copper module provides you with a single-sourced, end-to-end shielded copper solution, including Corning's 25-year warranty.

Features and Benefits

Fulfils the requirements for the 2 and 4 connector model according to E Class

3-Connector Permanent Link / Channel, certified by independent testing body

Suitable for EA Class applications according to ISO/IEC 11801 Ed. 2.2 (2011) and EN 50173 series (2011)

Industry standard Keystone dimensions

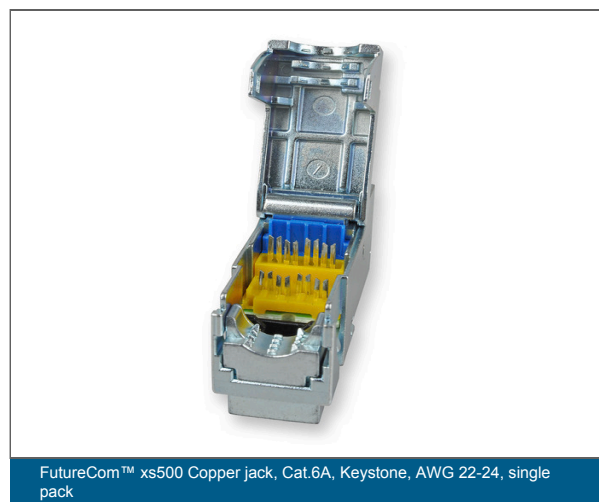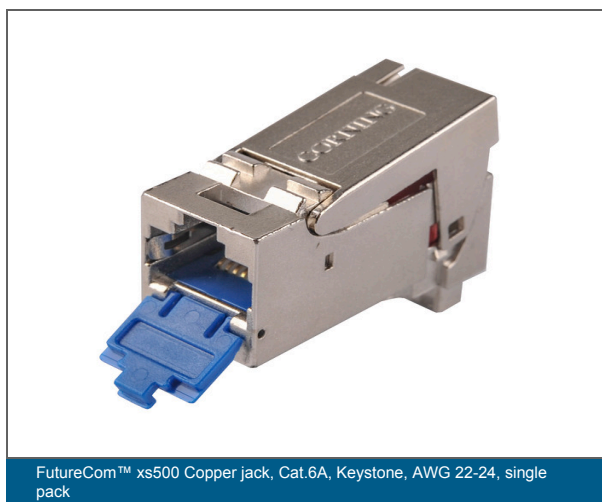Compatible with existing Corning LANscape Hardware with an adaptor

Easy and quick installation (2-piece design), no special tool needed

Integrated dust cap (colour coding possible with accessories)

All components are certified as Category 6A according to ISO/IEC 11801 Ed. 2.2 of GHMT AG

Certified by a vendor-independent and impartial test lab (GHMT AG); PVP Certificate

Strain-relief without cable tie possible

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Specifications

Environmental Conditions	
Environmental compatibility	Recyclable and free of heavy metal
Temperature range, installation	-40 °C to 70 °C

Design	
Jack Type	RJ45 - 8/8
Number of Pieces	2
Housing material	Metal
Insulation diameter max.	9 mm
Wire Conductor+Insulation diameter max.	1.7 mm

Electrical Specifications	
Input to output DC Resistance Unbalance	50 MΩ

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Electrical Specifications

Ampacity	≤ 1250 mA (DC)
Input to output DC Resistance	200 MΩ
Coupling attenuation	30 MHz < f < 100 MHz: > 45 dB / 100 MHz < f < fmax: > 85-20*log(f)
Electric strength DC (conductor/conductor)	≥ 1000 V DC/AC peak
Transfer Impedance	≤ 200 mΩ at 10 MHz
Electrical strength DC (conductor/test plate)	≥ 1500 V DC/AC peak

Mechanical Specifications

Durability of RJ45 Jack (PoE)	≥ 750 mating cycles under load (48 volt, 15.4 watt) in compliance with technical transmission parameters
Durability of RJ45 Jack	≥ 750 mating cycles possible, EN 186000-1, test 4.5.32
Cable Entry	0° to 360° Shield contact and strain relief
IDC Contacts	Suitable for AWG 24-22 solid wires
Contact surface	Gold pad in contact area
Reproducibility	Several times reusable
Housing material	Metal

General Specifications

Product category	Core product / Fastship
Category	6A
Halogen-free	Yes
Bandwidth	500 MHz

Dimensions

Height	19.6 mm
Width	14.5 mm
Depth	35 mm

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Ordering Information

Product Number	CAXXSM-00104-C001
EAN Code	4042673589730
Weight	19 g
Packing Weight	21 g
Units per delivery	1/1

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Transmission performance link	Class EA (ISO/IEC 11801 Ed. 2.2 2011)
Component Standard	IEC 60603-7-51 (Edition 1.0 2010)
Flame retardance	Class UL94 V-0

RoHS COMPLIANT