

Everon™ Copper Datacom S500 Jack Category 6A, blue

CORNING

Part Number:
CAXASM-00104-C001

The Everon™ Copper Datacom S500 module offers high system margins for transmission of digital data signals for future applications in systems up to 10GbE according to the new class EA (ISO/IEC 11801 Ed.2.2 2011 respectively Cat.6A (ANSI/TIA/EIA 568B.2-10), EN 50173 and IEC 60603-7-51 Ed. 1 (IEC 48B/1977/CDV, 2008-12). The module is also suitable for Power over Ethernet (PoE) applications in compliance with IEEE 802.3af (2003) and the new PoE Plus applications.

No special tools are required for either the termination of modules onto cables or the installation of the modules into outlets. The individual single shielding of the modules (in compliance to EN 50174) is absolutely necessary for these high-bit-rate applications.

Features and Benefits

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

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

Suitable for EA Class applications according to ISO/IEC 11801

Universal application in all modular LANscape® components

Quick and easy to install (compact design, only 3 individual components, no specific tools required)

Individual jack shielding by stable diecast housing

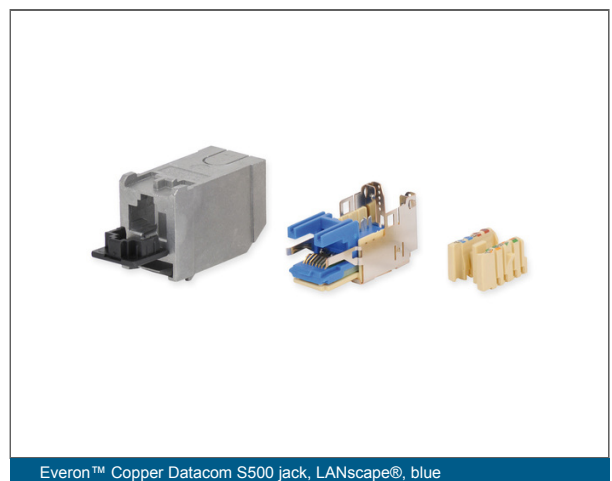
360° shield contact and cable strain-relief without cable tie

Captive dust cover

All components are certified as Category 6A according to ISO/IEC 11801

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

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



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Specifications

General Specifications

Dust Protection	Yes
Product Category	Core Product
Category	6A
Halogen-free	Yes
Bandwidth	500 MHz

Standards

RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Transmission Performance Link	EN 50173-1 and 2 Class EA (ISO/IEC 11801 Ed. 2.2 2011) Cat.6A (ANSI/TIA/EIA 568B.2-10)
Component Standard	ISO/IEC 11801 Ed.2.2 2011 ANSI/TIA/EIA-568-B.2-10
Flame Retardance	Class UL94 V-0

Environmental Conditions

Environmental Compatibility	Recyclable and free of heavy metal
Temperature Range, Installation	-20 °C to 70 °C

Design

Jack Type	RJ45 - 8/8
Number of Pieces	3
Housing Material	Metal
Color	Blue
Insulation diameter max.	8 mm
Wire Conductor+Insulation diameter max.	16 mm

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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	≥ 1500 mating cycles possible, EN 186000-1, test 4.5.32
Cable Entry	0° to 90° Variable, with 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

Electrical Specifications

Input to output DC Resistance Unbalance	50 MΩ
Input to output DC Resistance	200 MΩ
Electric strength DC (conductor/conductor)	≥ 1000 V DC/AC peak
Electrical strength DC (conductor/test plate)	≥ 1500 V DC/AC peak
Transfer Impedance	≤ 200 mΩ at 10 MHz [less-than-or-equal-to-200-mohm-at-10-mhz]

Dimensions

Height	23 mm
Width	18 mm
Depth	35 mm

Ordering Information

Product Number	CAXASM-00104-C001
EAN Code	4042673264415
Weight	303 g
Shipping Weight	323 g
Units per Delivery	1/1

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The Corning logo consists of the word "CORNING" in a white, serif, all-caps font, centered within a solid blue square.

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