

FutureCom™ S500 Jack Category 6A, flex wire jack, Keystone

CORNING

Part Number:
CAXBSM-00104-C002

The FutureCom 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 Ed. 2.2 (2011) and EN 50173 series (2011)

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

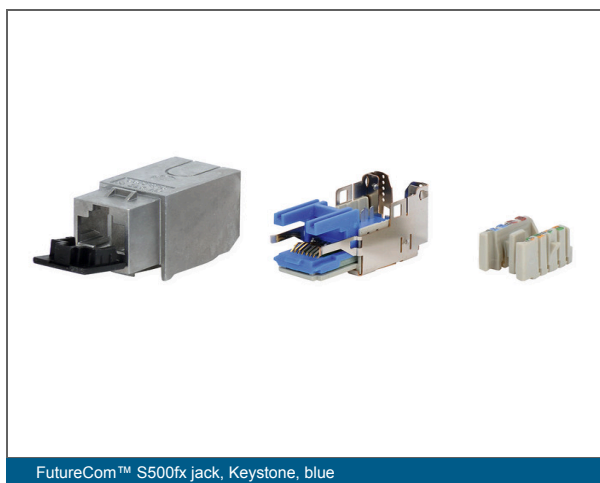
360° shield contact and cable strain-relief without cable tie

Captive dust cover, black

Supports Power over Ethernet (PoE/PoE+/4PPoE)

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



FutureCom™ S500 Jack Category 6A, flex wire jack, Keystone

CORNING

Specifications

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 |
| Colour | Blue |
| Insulation diameter max. | 6.5 mm |
| Wire Conductor+Insulation diameter max. | 1.15 mm |

Electrical Specifications

| | |
|---|--|
| Input to output DC Resistance Unbalance | 50 MΩ |
| Ampacity | ≤ 750 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) | ≥ 1000 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 26-24 flex wires |

FutureCom™ S500 Jack Category 6A, flex wire jack, Keystone

CORNING

Mechanical Specifications

| | |
|------------------|--------------------------|
| Contact surface | Gold pad in contact area |
| Reproducibility | Several times reusable |
| Housing material | Metal |

General Specifications

| | |
|--------------|---------|
| Category | 6A |
| Halogen-free | Yes |
| Bandwidth | 500 MHz |

Dimensions

| | |
|--------|---------|
| Height | 21.7 mm |
| Width | 17.5 mm |
| Depth | 35 mm |

Ordering Information

| | |
|--------------------|-------------------|
| Product Number | CAXBSM-00104-C002 |
| EAN Code | 4042673302100 |
| Weight | 23.3 g |
| Packing Weight | 25.3 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)EN 50173-1 and 2Cat.6A (ANSI/TIA/EIA 568B.2-10) |
| Component Standard | ISO/IEC 11801 Ed.2.2 2011ANSI/TIA/EIA-568-B.2-10 |
| Flame retardance | Class UL94 V-0 |

FutureCom™ S500 Jack Category 6A, flex wire jack, Keystone

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

Corning Optical Communications GmbH & Co. KG • Leipziger Strasse 121 • 10117 Berlin, Germany
+00 800 2675 4641 • FAX: +49 30 5303 2335 • www.corning.com/opcomm/emea

A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/emea/trademarks. Corning Optical Communications is ISO 9001 and ISO 14001 certified. © 2021 Corning Optical Communications. All rights reserved.