

FutureCom™ S250fx jack, LANscape® Category 6

CORNING

Part Number: CAXESM-00100-C004

The FutureCom™ E S250fx module is suitable for the transmission of digital data signals for conventional applications in compliance with ISO/IEC 11801 Ed.2.2 2011 and EN 50173-1 (2003). The module is also suitable for applications like PoE in compliance with IEEE 802.3af (2003).

For the connection of the cables to the modules and the installation of the modules into the outlets no special tools are required. The individual single shielding of the modules is compellingly necessary for these high bit rate applications.

The FutureCom E S250fx modules are suitable for all installation applications, e.g. ISO 55-65 raceway, surface and flush mounting and all LANscape systems. The electrical characteristics which can be emphasized offer a sufficient future security for all applications (1GbE).

Features and Benefits

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

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

Universal application in all modular LANscape® components

No special tools required

Supports Power over Ethernet (PoE)

Suitable for all 1 Gigabyte Ethernet applications

Strain-relief without cable tie possible



FutureCom™ S250fx jack, LANscape®, white

FutureCom™ S250fx jack, LANscape® Category 6

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	4
Housing material	Metal
Colour	White
Insulation diameter max.	8 mm
Wire Conductor+Insulation diameter max.	1.15 mm

Electrical Specifications

Coupling attenuation	30 MHz < f < 100 MHz: > 45 dB / 100 MHz < f < fmax: > 85-20*log(f)
----------------------	--

Mechanical Specifications

IDC Contacts	Suitable for AWG 27 - AWG 26 flex wires
Reproducibility	Several times reusable
Housing material	Metal
Durability of RJ45 Jack	≥ 1500 mating cycles possible, EN 186000-1, test 4.5.32
Cable Entry	0° to 360° Shield contact and strain relief

General Specifications

Product category	Core product
Category	6
Halogen-free	Yes

FutureCom™ S250fx jack, LANscape® Category 6

CORNING

General Specifications

Bandwidth	250 MHz
-----------	---------

Dimensions

Height	22.9 mm
Width	17.7 mm
Depth	30.8 mm

Ordering Information

Product Number	CAXESM-00100-C004
EAN Code	4042673287391
Weight	26.3 g
Packing Weight	27.3 g
Units per delivery	1/1

Standards

Flame retardance	Class UL94 V-0
RoHS	Free of hazardous substances according to RoHS 2011/65/EU



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.