

FutureCom™ S250 jack, LANscape® Category 6

CORNING

Part Number: CAXESM-00100-C001

The FutureCom™ E S250 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 S250 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



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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.	1.6 mm

Electrical Specifications

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

IDC Contacts	Suitable for AWG 24-22 solid 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

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General Specifications

Bandwidth	250 MHz
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Dimensions

Height	22.9 mm
Width	17.7 mm
Depth	30.8 mm

Ordering Information

Product Number	CAXESM-00100-C001
EAN Code	4042673038917
Weight	25.2 g
Packing Weight	26.2 g
Units per delivery	1/1

Standards

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



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