

FutureCom™ S250 jack, LANscape®

Category 6

CORNING

The FutureCom™ E S250 jack 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 jack is also suitable for applications like PoE in compliance with IEEE 802.3af (2003).

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

The FutureCom E S250 jacks 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

- Fulfils 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

Specifications

General Specifications	
Category	6
Bandwidth	250 MHz
Application	1000Base-T
Dust protection	No
Halogen-free	Yes
Product category	Core product

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Temperature Range

Installation and assembly	-20 °C to 70 °C
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Design - Hardware

Jack type	RJ45 - 8/8
Housing material	Metal
Colour	White
Number of Pieces	4
Insulation diameter max.	8 mm
Wire Conductor+Insulation diameter max.	1.6 mm

Mechanical Characteristics

Durability of RJ45 Jack	> 1500
Reproducibility	Several times reusable
Cable Entry	0 ° to 360 °
Dimensions (L x W x H)	30.8 mm x 17.7 mm x 22.9 mm
IDC Contacts	Suitable for AWG 24-22 solid wires

Electrical characteristics (at 20°C)

Coupling attenuation	$30 \text{ MHz} < f < 100 \text{ MHz}: > 45 \text{ dB} / 100 \text{ MHz} < f < f_{\text{max}}: > 85-20 \cdot \log(f)$
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Chemical Characteristics

Flame Retardance	Class UL94 V-0
RoHS	Free of hazardous substances according to RoHS 2011/65/EU
Environmental Compatibility	Recyclable and free of heavy metal

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Ordering Information

Part Number	CAXESM-00100-C001
Product Description	S250 jack, 1x RJ45, shielded, Cat. 6, incl. copper conducting tape for installation in LANscape® modular patch panels, outlets and floor box solutions
EAN Code	4042673038917
Weight	25.2 g

Shipping Information

Packing Weight	26.2 g
Units Per Delivery	1/1



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