RJ45 field-installable connector

Category 6

CORNING

The field-installable RJ45 connector is suitable for industrial environments offering outstanding performance for the transmission of digital data signals up to 10GbE. It is used in multiple applications, most commonly telecommunications, Ethernet networking, IP surveillance, factory automation and control.

Features

- Compliance with the new Class E_A and IEEE 802.3an
- Supports for PoE, PoE+ and UPoE applications
- The connector can be used with flex and solid wire cables 0.4 - 0.76 mm (AWG 22-27)
- Providing easy and fast installation without tools
- Re-termination possible for multiple usage

Part Number: CAXISS-00100-C003

Specifications

General Specifications	
Category	6
Bandwidth	500 MHz
Application	10GBase-T According to IEEE 802.3an
Halogen-free	Yes
Dust protection	No
Transmission performance link	Class E_A (ISO/IEC 11801 Ed. 2.2 2011)
Component Standard	IEC 60603-7-5:2010, ANSI/TIA/EIA-568-B.2-10

Temperature Range	
Installation and assembly	-30 °C to 90 °C

Design - Hardware	
Plug Type	RJ45 8/8
Housing material	Metal
Housing colour	black
Number of Pieces	2

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Mechanical Characteristics

Durability of RJ45 Plug	> 750
Cable diameter	5.5 mm to 8.5 mm
IDC Contacts	Suitable for AWG 24-22 solid wires and for 26/7-22/7 flex wires
Reproducibility	Several times reusable
Insertion Force	< 30 N
Dimensions (L x W x H)	34.9 mm x 18 mm x 23 mm

Electrical characteristics (at 20°C)

Ampacity	1000 mA
Contact resistance Rd	< 20 mΩ
Electric strength DC (conductor/conductor)	> 1000 V
Electrical strength DC (conductor/test plate)	> 1500 V
Insulation Resistance	> 500 MΩ

Chemical Characteristics

Flame Retardance	Class UL94 V-0
RoHS	Free of hazardous substances according to RoHS 2002/95/EG

Ordering Information

Part Number	CAXISS-00100-C003
Product Description	Field installable RJ45 connector, 4-pair, shielded, 1GB or 10GB application, stranded and solid wire
Weight	13 g

Shipping Information

Packing Weight	13 g
Units per delivery	1/1

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Notes