

RJ45 field-installable connector Category 6A STP Straight

CORNING

Part Number:
CAXASS-00100-C001

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 and Benefits

Compliance with the new Class EA 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



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Specifications

Environmental Conditions

Temperature range, installation	-40 °C to 85 °C
Temperature range, operation	-40 °C to 85 °C

Design

Number of Pieces	3
Plug Type	RJ45 - 8/8
Housing material	Metal
Housing colour	Black
Cable diameter	6 mm to 9 mm

Electrical Specifications

Input to output DC Resistance Unbalance	50 mΩ
Input to output DC Resistance	200 mΩ
Insulation resistance	> 500 MΩ @ 100 VDC
Voltage Rating (Maximum)	150 VAC
Ampacity	≥ 1000 mA (DC)
Electric strength DC (conductor/conductor)	≥ 1000 V DC/AC peak
Contact Resistance Rd	20 mΩ
Electrical strength DC (conductor/test plate)	≥ 1500 V DC/AC peak

Mechanical Specifications

IDC Contacts	Suitable for AWG 22-26 solid wires and for 27/7-23/7 flex wires
Reproducibility	Several times reusable

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General Specifications

Category	6A
Halogen-free	Yes
Bandwidth	500 MHz

Dimensions

Height	16.85 mm
Width	11.68 mm
Depth	46.05 mm

Ordering Information

Product Number	CAXASS-00100-C001
EAN Code	4064394884048
Weight	13 g
Packing Weight	13 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)
Design And Test Criteria	IP20
Component Standard	IEC 60603-7-51 (Edition 1.0 2010)ANSI/TIA/EIA-568-B.2-10
Flame retardance	Class UL94 V-0

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The Corning logo consists of a solid blue square. Inside the square, the word "CORNING" is written in a white, serif, all-caps font, centered horizontally and vertically.

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