

# 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

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Compliance with the new Class EA and IEEE 802.3an

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Supports for PoE, PoE+ and 4PPoE applications

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Providing easy and fast installation without tools

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Re-termination possible for multiple usage

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The connector can be used with flex wire cables AWG 23-27 and solid wire cables AWG 23-26



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## Specifications

### General Specifications

Category	6A
Halogen-free	Yes
Bandwidth	500 MHz

### Standards

Flame retardance	Class UL94 V-0
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
Corning Recommendations	Recommended cable diameter is 6 mm - 9 mm
Component Standard	IEC 60603-7-51 (Edition 1.0 2010)ANSI/TIA/EIA-568-B.2-10

### Environmental Conditions

Halogen-free	Yes
Temperature range, installation	-40 °C to 70 °C
Temperature range, operation	-25 °C to 50 °C
Temperature range, storage	-40 °C to 70 °C

### Design

Plug Type	RJ45 - 8/8
Housing material	Metal
Housing colour	Silver

### Electrical Specifications

Input to output DC Resistance Unbalance	50 MΩ
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## Electrical Specifications

Input to output DC Resistance	200 mΩ
Electric strength DC (conductor/conductor)	≥ 1000 V DC
Contact Resistance Rd	20 mΩ
Electrical strength DC (conductor/test plate)	≥ 1500 V DC
Insulation resistance	> 500 MΩ @ 100 VDC
Voltage Rating (Maximum)	Less than 50VAC / 75 VDC

## Dimensions

Height	147 mm
Width	129 mm
Depth	513 mm
Weight	13 g

## Ordering Information

Product Number	CAXASS-00100-C001
EAN Code	4064394884048
Shipping weight	13 g
Units per delivery	50/1



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