

RJ45 Field-Installable Connector Category 6A UTP Straight

CORNING

Part Number:
CAXKSS-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 4PPoE applications

Providing easy and fast installation without tools

Re-termination possible for multiple usage

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



RJ45 field-installable connector Category 6A UTP Straight



RJ45 field-installable connector Category 6A UTP Straight

RJ45 Field-Installable Connector Category 6A UTP Straight



RJ45 field-installable connector Category 6A UTP Straight

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)
Corning Recommendations	Recommended cable diameter is 5.5 mm - 8.5 mm
Component Standard	ANSI/TIA/EIA-568-B.2-10IEC 60603-7-5:2010
Environmental Conditions	
Halogen-free	Yes

RJ45 Field-Installable Connector Category 6A UTP Straight

CORNING

Environmental Conditions

Temperature Range, Installation	-40 °C to 70 °C (-40 °F to 158 °F)
Temperature Range, Operation	-25 °C to 50 °C (-13 °F to 122 °F)
Temperature Range, Storage	-40 °C to 70 °C (-40 °F to 158 °F)

Design

Plug Type	RJ45 - 8/8
Housing Material	Plastic
Housing Color	Black

Mechanical Specifications

IDC Contacts	Suitable for flex wire cables AWG 23-27 and solid wire cables AWG 22-26
Reproducibility	5 times reusable

Electrical Specifications

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

Dimensions

Height	17 mm
Width	11.7 mm
Depth	47 mm
Weight	13 g

RJ45 Field-Installable Connector Category 6A UTP Straight



Ordering Information	
Product Number	CAXKSS-00100-C001
Shipping Weight	13 g
Units per Delivery	50/1



Corning Optical Communications LLC • 4200 Corning Place • Charlotte, NC • 28216 • United States
800-743-2675 • FAX: 828-325-5060 • International: +1-828-901-5000 • www.corning.com/opcomm

A complete listing of the trademarks of Corning Optical Communications is available at www.corning.com/opcomm/emea/trademarks. Corning Optical Communications is ISO 9001 and ISO 14001 certified. © 2026 Corning Optical Communications. All rights reserved.