



## CAT6A Tool Free Screened Field RJ-45 Plug

Optronics Category 6A tool free screened RJ45 modular plugs meet all ANSI/TIA 568.2-D Category 6A and ISO/IEC 11801 Class Ea performance requirements for internal and Alien Crosstalk parameters up to 500 MHz. The connector provides superior Alien Crosstalk suppression. Optronics system components meet or exceed the requirements for channel and component-level performance for ISO/IEC 11801 Category 6A.

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## Features

- It is 8 Position 8 Contact (8P8C) connector
- Mitigates Alien Crosstalk with industry standard density.
- Unique (Tool-less) design and simplified process to assembly the cable and requires no punch-down tool
- Connector incorporates a wide angle, hinged design for easy access & termination
- Connector wiring is universal and has installation color codes for both T568A and T568B wires schemes
- POE Verified
- Small size and short body design
- High performance on Cat.6A MTPL and Channel application

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## Applications

- CAT6A tool free screened field RJ45 8p8c connectors could comply with different outlet such as keystone jack and patch panel, faceplate and surface mount box in the data center or indoor working area

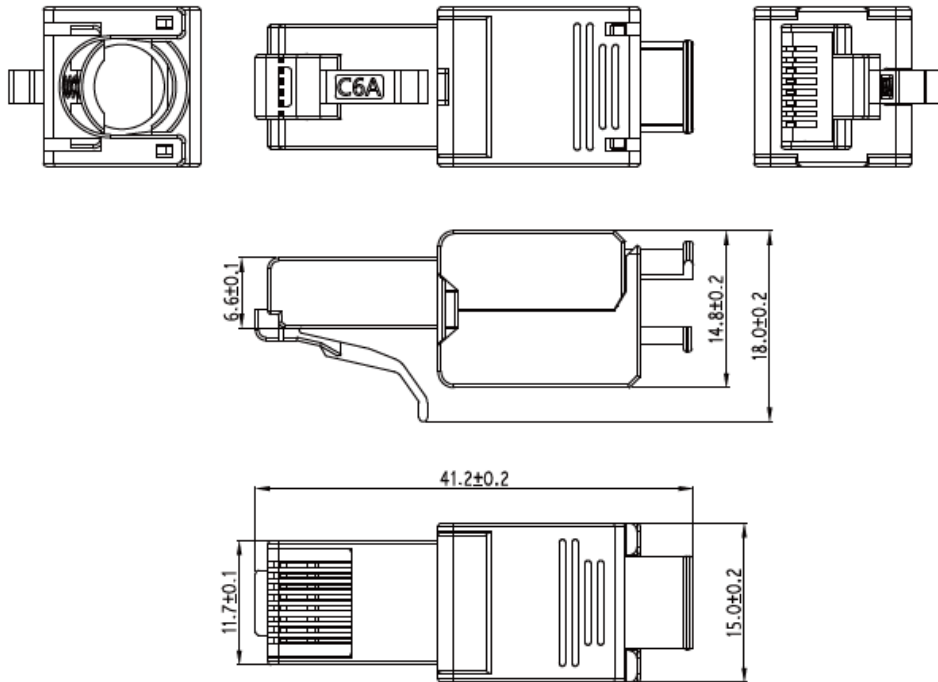
## Specifications

ELEMENT	VALUE
<b>Electrical</b>	
Current Rating	1.5 Amps
Insulation Resistance	$\geq 500 \text{ M}\Omega$
Contact Resistance	$\leq 20 \text{ m}\Omega$
DC Resistance	$\leq 0.3 \Omega$
DC/AC Volt Endurance	DC1000V/AC750V 1min
<b>Mechanical</b>	
Mating cycles	750 cycles minimum
IDC mating cycles	200 cycles minimum
Operating temperature	-10°C ~ 60°C
Operating humidity	10% ~ 90%RH
Storage temperature	-40°C ~ 68°C
<b>Physicals</b>	
Housing	Zinc Die-Casting with high quality Nickel plating
Plastic Parts	High quality engineering plastic
PCB	FR-4, 1.6mm Thickness
Jack Wire:	0.35 mm Phosphor bronze gold over nickel plating
IDC conductor	0.35mm Phosphor bronze, tin-plating Contact compatibility: accommodate 23 to 26 AWG solid
Contact compatibility	accommodate 23 to 26 AWG solid

## Standard Compliance

- ANSI/TIA-568.2-D-2018
- ISO/IEC TR 11801-9901 Ed.1.0 (2014-10)
- ISO/IEC 60603-7-51
- YD/T 926.3-2009

## Technical Drawing



## Ordering Information

DESCRIPTION	PART NUMBER
CAT6A Tool Free Screened Field RJ-45 Plug	ORCQ-6A-2