

PowerCat 6 Keystone Jack >

Utilizing patented IDC V-shaped contacts that flex not fatigue when terminated, the RJ-45 Keystone Jack is compatible with any product that accepts the standard Keystone profile. This would include manufacturers such as: Wiremold®, Tyco®, Krone®, Leviton® and Hubbell®.



FEATURES AND ADVANTAGES

Patented IDC V-shaped contacts that flex not fatigue when terminated

Features pointed IDC towers to speed termination and enhance cable retention

Dual color-coding allows for 568 A/B wiring configuration

Can be terminated using industry standard punch-down tools

RJ-11 & RJ-12 compatible

Molded category identification on jack face

RoHS compliant

SPECIFICATIONS

MECHANICAL

Jack Connector

Plastic Housing: Thermoplastic UL94V-0

Operating Life:

Minimum 750 insertion cycles

Contact Material: Copper Alloy

Contact Plating: 50µ" Gold/50µ" Nickel

Contact Force: 100g minimum

Plug Retention Force: 11 lb minimum

IDC Connector

Plastic Housing:

Thermoplastic UL94V-0

Operating Life:

Minimum 20 reterminations

Contact Material: Copper Alloy

IDC Contact Plating: Tin matte finish

Wire Accommodation: 22-24 AWG solid

ELECTRICAL

Interface Resistance: 20 milliohms

Initial Contact Resistance:

2.5 milliohms

Insulation Resistance:

>100 Megaohms

PHYSICAL

Dimensions:

23mm (H) x 18mm (W) x 30.6mm (D)

(0.91" H x 0.71" W x 1.20" D)

Shipping Weight: 28g (0.99 oz)

COMMERCIAL STANDARDS

TIA/EIA-568-C.2:2009 cat.6

EN 50173-1:2011 Class E

ISO/IEC 11801:2010 (Ed 2.2) Class E

FCC Subpart F68.5

Approvals

UL-1863

CSA C22.2

PARTS LIST

Keystone jack with stuffer cap

PoE

Our PowerCat 6 system is suitable for PoE applications as defined below:

IEEE 802.3bt from Type 1 to Type 4, and

CISCO UPoE+

Notes:

For new installations of PoE Type 3 / Class 5 and above that wish to be eligible for the Molex 25 year Application Assurance Warranty, we require Category 6A cable to be used throughout.

To confirm your PoE / RP3 cabling design is eligible for the Molex 25 year Application Assurance Warranty, your design must be verified and validated with the Molex PoE Calculator. Read more

<https://www.molexces.com/poe-calculator>

Molex recommends that the PoE feature on an individual switch port are power disabled prior to unplugging the associated powered Device.

Molex recommends that the full range of PowerCat 6 products be used in a system to maximize cabling and PoE performance. Details on Molex requirements for Warranty can be found at

<https://www.molexces.com/about-us/our-warranty/>

www.molexces.com/products/copper/cat6

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ORDERING INFORMATION

Order No.	SAP No.	Description
KSJ-00033-**	Consult Molex	Keystone Jack, Category 6, 8W, 568A/B

*Color options - Replace the (**) in the part number with one of the following: 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Gray, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple*

www.molex.com/products/copper/cat6