

PowerCat 5e DataGate Jack

The PowerCat 5e DataGate jack is designed to maintain clean secure connections.

The RJ-45 jack features a patented 'spring-loaded shutter' which protects it from dust and contaminants as well as provides tactile feedback - the spring-loaded shutter pops out an improperly seated patch cord – all with single-handed plug-in and removal.

DataGate jacks utilize patented IDC V-shaped contacts that flex not fatigue when terminated and is uniquely designed to allow for rear and side entry cable termination. The provision of side entry termination ensures bend radius is maintained in installations where there is limited space - optimizing the performance of your Enhanced Category 5 solution.



FEATURES AND ADVANTAGES

Patented Spring-Loaded Shutter:

- prevents incomplete mating
- protects from dust and contaminants

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 as well as optional port identification icons

SPECIFICATIONS

MECHANICAL

Jack Connector

Plastic Housing:

Polycarbonate, UL94V-0 rated or equivalent

Operating Life:

Minimum 750 insertion cycles

Contact Material: Copper Alloy

Contact Plating: 50µ" Gold/100µ" Nickel

Contact Force: 100g minimum

Plug Retention Force: 15 lb.

IDC Connector

Plastic Housing:

Polycarbonate, UL94V-0 rated or equivalent

Operating Life: Minimum 20 reterminations

Contact Material: Copper Alloy

IDC Contact Plating: Tin/Lead Plate

Contact Force: 100g minimum

Wire Accommodation: 22-24 AWG solid

ELECTRICAL

Interface Resistance: 20mΩ

Initial Contact Resistance: 2.5mΩ

Insulation Resistance: >100 Megohms

PHYSICAL

Dimensions:

23.9mm (H) x 17.8mm (W) x 32.3mm (D)
(0.94"H x 0.70"W x 1.27"D)

Shipping Weight: 14g (0.49 oz)

www.molex.com/products/copper/cat5e/

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SPECIFICATIONS - CONTINUED

COMMERCIAL STANDARDS

TIA/EIA-568-B.2-1 Component Compliant
 FCC Subpart F 68.5 Compliant
 IEC-603-7 Compliant
 ISO 11801 Class E Compliant

Pending Approvals
 UL-1863
 CSA

PoE

Our PowerCat 5e 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 5e 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/>

ORDERING INFORMATION

Order No.	SAP No.	Description	Color
KSJ-00024-02	181970103	PowerCat 5e DataGate Jack 8W 568A/B	White
KSJ-00024-04	181970105	PowerCat 5e DataGate Jack 8W 568A/B	Black
KSJ-00024-RD	181970112	PowerCat 5e DataGate Jack 8W 568A/B	Red
KSJ-00024-BL	181970110	PowerCat 5e DataGate Jack 8W 568A/B	Blue
KSJ-00024-BL-I	181970280	PowerCat 5e DataGate Jack 8W 568A/B (India)	Blue
Accessories			
CSP-00021-**	Consult Molex	Blank 6-Pack Icons (Bag of 10)	-
CSP-00022-**	Consult Molex	Data 6-Pack Icons (Bag of 10)	-
CSP-00023-**	Consult Molex	Voice 6-Pack Icons (Bag of 10)	-

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