# PowerCat 6 DataGate Jack

**molex**

## The 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.

The DataGate jack is engineered for use across a broad range of Molex products.

## 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

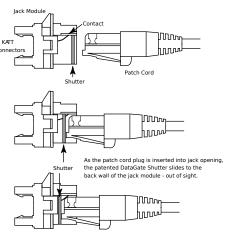Can be terminated using industry standard punch-down tools

RJ-11 compatible

Molded category identification on jack face as well as optional port identification icons

USOC Wiring Sequences Available

RoHS Compliant

**DataGate Shutter Operation**



As the patch cord plug is inserted into jack opening, the patented DataGate Shutter slides to the back wall of the jack module - out of sight.

## Specifications

### MECHANICAL
Jack Connector
Plastic Housing: Thermoplastic 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: 11 Ibf minimum

IDC Connector
Plastic Housing: Thermoplastic UL94V-0 rated or equivalent
Operating Life: Minimum 20 reterminations
Contact Material: Copper Alloy
IDC Contact Plating: Tin matte finish
Wire Accommodation: 22-24 AWG solid

### ELECTRICAL
Interface Resistance: 20m$\Omega$
Initial Contact Resistance: 2.5m$\Omega$
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)

### 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
UL listed

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## Ordering Information

| Order No. | SAP No. | Description | Colour |
|---|---|---|---|
| KSJ-00018-02 | 18197-0080 | DataGate Jack Category 6 8W 568A/B | White |
| KSJ-00018-04 | 18197-0081 | DataGate Jack Category 6 8W 568A/B | Black |
| KSJ-00018-08 | 18197-0085 | DataGate Jack Category 6 8W 568A/B | Grey |
| KSJ-00018-BL | 18197-0086 | DataGate Jack Category 6 8W 568A/B | Blue |
| KSJ-00018-GR | 18197-0087 | DataGate Jack Category 6 8W 568A/B | Green |
| KSJ-00018-RD | 18197-0088 | DataGate Jack Category 6 8W 568A/B | Red |
| KSJ-00018-RG | 18197-0089 | DataGate Jack Category 6 8W 568A/B | Orange |
| KSJ-00018-YL | 18197-0090 | DataGate Jack Category 6 8W 568A/B | Yellow |