

PowerCat 6 MOD-Clip DataGate Jack

The PowerCat 6 MOD-Clip 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.

The MOD-Clip 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 Category 6 solution.

The MOD-Clip DataGate jack is engineered for use with Clipsal® and HPM® wallplate systems.



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

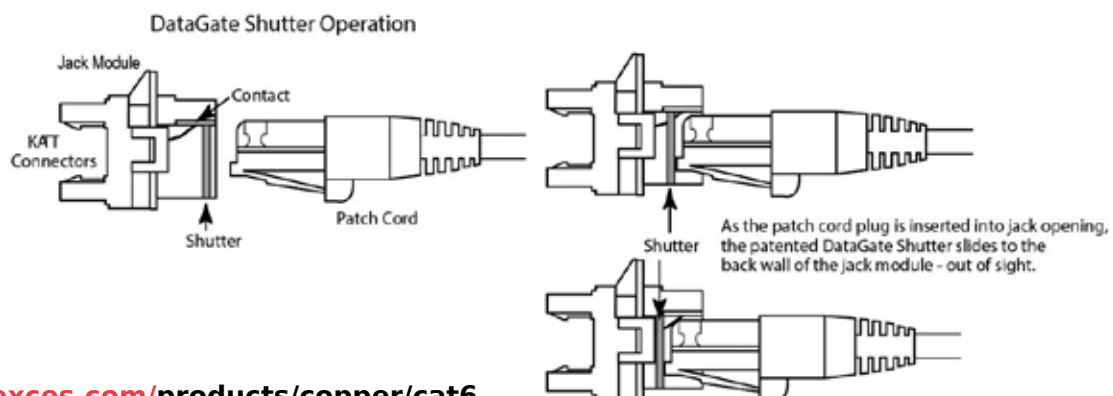
Dual colour-coding allows for 568 A/B wiring configuration

Can be terminated using industry standard punchdown tools

RJ-11 & RJ-12 compatible

Suitable for use within Clipsal, HPM and PDL system of wallplates

RoHS Compliant



www.molex.com/products/copper/cat6

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SPECIFICATIONS

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

Pending Approvals

UL-1863
CSA

Mechanical

Jack Connector

Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent

Operating Life: Minimum 750 insertion cycles

Contact Material: Copper Alloy

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

Contact Force: 100g minimum

Plug Retention Force: 15 lb.

IDC Connector

Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent

Operating Life: Minimum 200 reterminations

Contact Material: Copper Alloy

IDC Contact Plating: Tin/Lead Plate

Contact Force: 100g minimum

Wire Accommodation: 22-24 AWG solid

Electrical

Interface Resistance: 20 milliohms

Initial Contact Resistance: 2.5 milliohms

Insulation Resistance: >100 Megaohms

Physical

Dimensions (mm): 23.5(H) x 17.9(W) x 30.53(D)

Shipping Weight: 26.35g

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/>

ORDERING INFORMATION

Order No.	SAP No.	Description
MMC-00010-**	Consult Molex	PowerCat 6 MOD-Clip DataGate Jack, 568A/B

Color options - Replace the (**) in the part number with one of the following:

02 = White, 04 = Black, 08 = Gray, RD = Red, BL = Blue, GR = Green, YL = Yellow

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