

PowerCat 6 Legrand® Compatible Modules >

These PowerCat 6 module are compatible with the Legrand® range of 45 x 45mm bezels. The products are fully assembled units featuring the shuttered DataGate connector. The angled design reduces patch cord bend radius and features a protected labeling feature. Individual ports may be color coded using a connector icon, for site-specific network administration.

The modules feature the DataGate Category 6 connector. This superior RJ45 IDC includes a unique integral shutter that not only protects the connector from dust and contaminants, but the ingenious spring-loaded design also ejects improperly seated patch cords. The DataGate connector is dual color coded for either 568A or 568B wiring schedules and is RJ11 compatible.

Suitable for high-speed data transmission, the DataGate Category 6 connector has been designed to exceed the highest electrical performance standards in the industry. The DataGate connector is also backwards compatible with C5e systems.



FEATURES AND ADVANTAGES

Legrand® 45 x 45mm bezel compatible

Shuttered RJ45 DataGate connector

Protected labelling facility

Angled fascia

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 (Pending)
CSA (Pending)

Technical Information Mechanical Characteristics

Jack Connector

Plastic Housing:

Polycarbonate, UL94V-0 rated or equivalent

Operating Life:

Minimum 750 insertion cycles

Contact Material: Copper Alloy

Contact Plating: 1.27 micrometers Au/Ni

Contact Force: 100g minimum

Plug Retention Force: 6.8kg.

IDC Connector

Plastic Housing:

Polycarbonate, UL94V-0 rated or equivalent

Operating Life:

Minimum 20 reterminations

Contact Material: Copper Alloy

IDC Contact Plating: Tin matte finish

Contact Force: 100g minimum

Wire Accommodation: 22-24 AWG solid

Electrical/Optical Characteristics

Interface Resistance: 20mΩ

Initial Contact Resistance: 2.5mΩ

Insulation Resistance: >100MΩ

Minimum Backbox Depth

Requirement: 32mm

Termination Tool: 110

Shipping Weight:

22.5 x 45mm Module: 312g (Pack of 20)

45 x 45mm Module: 150g (Pack of 10)

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
MLG-00021-02	188000016	PowerCat 6 22.5 x 45mm Legrand Compatible Module RJ45 568A/B UTP - White
MLG-00024-02	188000068	PowerCat 6 45 x 45mm Legrand Compatible Module RJ45 568A/B UTP - White
16.A0012	180070055	22.5 x 45mm Blank Module - White

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