

Features and Benefits

The Euromod modular system provides a flexible and versatile method of installation. This modular system offers a wide range of wallplates and modules that allow the user to install as many data outlets as required. The PowerCat module is a fully assembled unit featuring the Molex Premise Networks low profile FTP Category 5, RJ45 RJLP connector and a 25 x 50mm fascia, shutter and spring assembly.

Molex Premise Networks unique patented RJLP RJ45 connector is engineered to meet the highest performance standards in the industry and offers a low profile, space saving design that enables installation in shallow backboxes and trunking. The FTP RJLP connector provides continuity of the cable shield by the inclusion of a termination point for the drain wire.

Suitable for high speed data transmission the PowerCat RJLP RJ45 connector was designed to meet the requirements of the Category 5E standard which demands compliance with the PowerSum principle of measurement and test.

- Category 5e RJLP connector
- EIA 568B wired
- Space saving low profile module
- Provides through shield continuity

Technical Information

Mechanical Characteristics

Termination Tools: Molex and other industry standard installation tools

IDC Terminations

Suitable for 0.4mm - 0.6mm solid or stranded cable, maximum o.d 1.5mm

Two wires may be terminated for daisy-chain applications.

Patents pending on connector and module designs.

Jack Connector

Operating Life: Minimum 500 insertion cycles

Contact Material: Phosphor Bronze

Contact Plating: 1.25 micrometres Au/Ni

Material: UL 94VO Thermoplastic

IDC Connector

Operating Life: Minimum 100 Reterminations

Contact Material: Phosphor Bronze

Contact Plating: Sn/Pb over Ni

Wire Accommodation: 2 x 22-26 AWG solid or stranded

Electrical/Optical Characteristics

D.C. Resistance: <20mΩ

D.C. Resistance Imbalance: <2.0mΩ

Insulation Resistance: >100MΩ

Attenuation (dB)

@ 1MHz 0.0121

@ 16MHz 0.0193

@ 100MHz 0.1052

Crosstalk (dB)

@ 1MHz -84.26

@ 16MHz -60.03

@ 100MHz -45.70

PowerSum Worst Pair

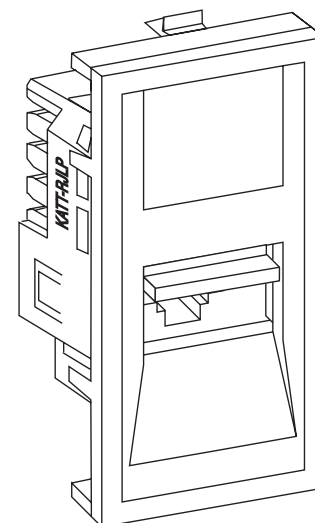
@ 100MHz -41.83

Return Loss (dB)

@ 1MHz -65

@ 16MHz -48

@ 100MHz -30



ORDERING INFORMATION

Order No.	SAP No.	Description
MEU-00020-02	Consult Molex	PowerCat 5e FTP Euromod RJLP module. RJ45, 568B - (White)

Molex Premise Networks standard fascia colour is white. Other colours may be subject to minimum order quantities.