



PowerCat FTP 22.5 x 45mm Module Category 5E

Features and Benefits

The 22.5 x 45mm module has been designed specifically to be compatible with the Legrand range of 45 x 45mm bezels. Two modules or a single module and a blank may be installed in this format. Molex's PowerCat 22.5 x 45mm module features an enhanced performance Category 5, RJ45 RJLP connector, designed to support high speed data transmission systems. The module is part of the PowerCat System range of products, that have been designed based on the PowerSum principle of crosstalk measurement and testing.

Molex Premise Networks unique patented RJLP RJ45 connector is designed 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 connector provides continuity of the cable shield by providing a termination point for the drain wire.

- Legrand bezel compatible
- Enhanced Performance RJ45 connector
- EIA 568B wired
- Provides through shielded continuit

Technical Information

Termination Tools:

Molex and other industry standard installation tools

Mechanical Jack Connector

Operating Life : Minimum 500 insertion cycles
Contact Material : Phosphor Bronze
Contact Plating : 1.25 micrometres Au/Ni
Material : UL 94V0 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

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).

Electrical

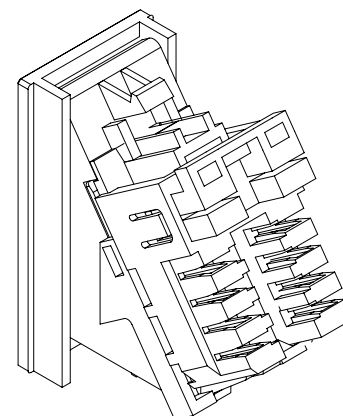
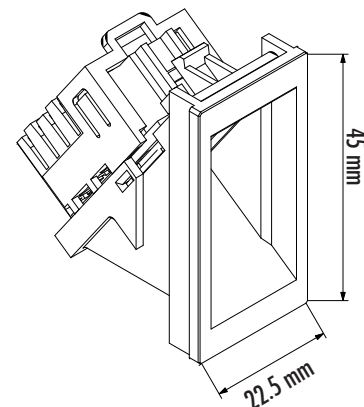
D.C. Resistance : <20m Ω
D.C. Resistance Imbalance : <2.0m Ω
Insulation Resistance : >100M Ω

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	-40
	@	100MHz	-30

Backbox/Trunking depth requirement

Minimum clearance 25mm

Shipping Weight Box 20 = 335gm



Order No.	Description
MLG-00004-02	Angled FTP 22.5 x 45mm Module 568B Cat 5E White Powercat

Supplementary Product

Order No.	Description
16.A0012	Blank Module 22.5 x 45mm

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