**molex**®

# Fixed Wallplate 1 Port PowerCat UTP Category 5E

## Features and Benefits

The 4 Port Shuttered Fixed Wallplate offers an economic alternative to the modular system, eliminating the need for separate components as only one part is required. The wallplate is a complete assembly, comprising 4, C5e RJLP connectors, fascia, spring loaded shutters and protected labelling facility. The density of the wallplate makes it ideal for situations where several services are required in one location, eg. data, voice, video conferencing etc.

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 allows installation in backboxes, trunking, powerpoles etc.

Suitable for high speed data transmission, the PowerCat RJLP RJ45 connector was designed to meet the requirements of the C5e standard which demands compliance with the PowerSum principle of measurement and test.

- UK standard 86 x 86mm fascia
- Low profile C5e RJ45 connector
- Spring loaded shutters

**NOTE:** The Quad Wallplate is designed to fit in standard UK backboxes (86 x 86mm external dimension) with 2 (only) screw fixing positions. The minimum internal backbox dimension clearance allowable is 76 x 76mm up to 81 x 81mm.

## Technical Specification

**Termination Tools:**
Molex and industry standard tooling

**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.

### Mechanical
**Jack Connector**

| | |
|---|---|
| Operating Life: | Minimum 500 insertion cycles |
| Contact Material: | Phosphor Bronze |
| Contact Plating: | 1.25 micrometers Au/Ni |
| Material: | UL 94V0 Thermoplastic |

### IDC Connector

| | |
|---|---|
| Operating Life: | Minimum 100 Reterminations |
| Contact Material: | Phosphor Bronze |
| Contact Plating: | Sn/Pb over Ni |
| Wire Size: | 2x26-22 awg solid or stranded |

### Electrical

D.C. Resistance: $<20m\Omega$
D.C. Resistance Imbalance: $<2.0m\Omega$
Insulation Resistance: $> 100m\Omega$

| | |
|---|---|
| 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(dB) | @100MHz  -41.83 |
| Return Loss (dB) | @1MHz  -65.0 |
| | @16MHz  -48.0 |
| | @100MHz - 30.0 |

Backbox/Trunking depth requirement : Minimum clearance 44mm
Shipping Weight: Box 5 : 385grm





## ORDERING INFORMATION

| Order No. | SAP No. | Description |
|---|---|---|
| WNC-00009-02 | Consult Molex | PowerCat 4 Port Shuttered Fixed Wallplate UTP 568B White C5E |

Molex's standard fascia colour is white. Other colours are available, subject to minimum order quantities.

### MOLEX PREMISE NETWORKS

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