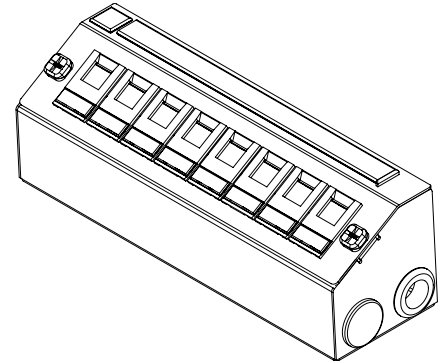




Consolidation Point Enclosure & Solid Cable Assemblies

PowerCat Category 5E UTP & FTP



Features and Benefits

Consolidation Points are intended to provide increased flexibility and economy for installations where open office spaces require frequent reconfiguration. Instead of re-routing or installing new cable from a telecommunications closet, horizontal cabling can be accessed and repositioned without re-testing by means of a Consolidation Point Enclosure and Consolidation Point to Telecommunications Outlet (CP to TO) cable assemblies. For example, when moves, adds and changes (MACs) are required between fixed cabling and movable furniture system layouts, particularly when solid floors are installed.

Molex Premise Networks Consolidation Point Enclosures feature 6 or 8 shuttered PowerCat Category 5E modules, housed in a rugged graphite grey finished steel enclosure, which protects the incoming cable, but allows ready access to the Consolidation Point to Telecommunication Outlet Links. Designed for easy installation in ceiling voids or under floor, the product is TIA/EIA TSB75 compliant. Two enclosures may be interconnected, allowing for expansion.

Molex Premise Networks unique patented PowerCat RJLP Category 5E RJ45 connector is designed to meet the highest performance standards in the industry and offers a low profile, space saving design, for easy termination. The FTP RJLP CSE connector provides continuity of the cable shield by the inclusion of a termination point for the drain wire.

Solid Cable Assemblies provide the essential interconnection between the CP to the TO. Factory assembled and tested, these links are manufactured using solid cable and are terminated at each end with an RJ45 plug, allowing the assembly to be cut in half on site prior to terminating.

- Allows moves, adds and changes without re-terminating and re-testing of cable
- 6 or 8 port shuttered Category 5E RJLP modules
- Rugged graphite grey enclosure
- TSB 75 compliant
- UTP & FTP versions
- Factory assembled and performance tested interconnection cords

Technical Information

Mechanical Characteristics

Jack Connector
 Operating Life: Minimum 500 insertion cycles
 Contact Material: Phosphor Bronze
 Contact Plating: Sn/Pb over 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

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

Shipping Weight 1kg
 Dimensions: 258mm (L) x 78mm (D) x 90mm (H)

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.

ORDERING INFORMATION

Order No.	Description
CPT-00022	6 Port UTP RJ45 568B PowerCat CSE
CPT-00023	8 Port UTP RJ45 568B PowerCat CSE
CPT-00026	6 Port FTP RJ45 568B PowerCat CSE
CPT-00027	8 Port FTP RJ45 568B PowerCat CSE
CPT-00034	Base - Consolidation Point Enclosure
CPT-00035	6 Port UTP (Fully Loaded) Cover CSE
CPT-00036	8 Port UTP (Fully Loaded) Cover CSE
CPT-00037	6 Port FTP (Fully Loaded) Cover CSE
CPT-00038	8 Port FTP (Fully Loaded) Cover CSE

Solid cable assemblies - HOW TO ORDER: The minimum length of a solid cable assembly is 10 metres. The finished length when installed is therefore 5 metres. Contact Customer Services - a part number will be allocated at time of order.

MOLEX PREMISE NETWORKS

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 Tel: 630 969 4550
 www.molexpn.com

EMEA
 Tel: 44 (0) 2392 205800
 www.molexpn.com.uk

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