molex®

Benelux Wallplate
PowerCat UTP/FTP

Features and Benefits

The Benelux Wallplate has been designed to complement the range of bezels available in the Benelux region. The wallplate C5E UTP and FTP variants and will support all currently ratified applications including Gigabit Ethernet. The product is a fully assembled unit featuring a fascia, complete with 2 PowerCat RJLP RJ45 connectors protected by spring loaded shutters.

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 Power Sum principle of measurement and test.

The FTP variant provides continuity of the cable shield by the inclusion of a termination point for the drain wire.

- Busch Jaegar®, Peha®, Jung®, Gira®, Niko® bezel compatible
- Two Ports protected by spring loaded shutters
- Enhanced performance RJ45 Connectors
- EIA 568B wiring schedule

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Technical Information

Termination Tools:

Molex Premise Networks and other industry standard installation tools

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 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. Patents pending on connector and module designs.

Electrical

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

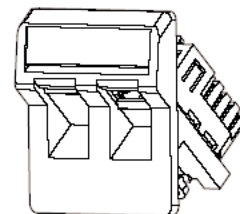|		
Attenuation (dB)	@ 1Mhz	0.0121
	@ 16Mhz	0.0193
	@ 100Mhz	0.1052
Crosstalk (dB)	@ 1Mhz	-84.26
	@ 16Mhz	-60.03
	@ 100Mhz	-45.70
PowerSum Worst Pair	@ 100Mhz	-41.83
Return Loss (dB)	@ 1Mhz	-65
	@ 16Mhz	-40
	@ 100Mhz	-30

Backbox/Trunking depth requirment

UTP & FTP - Minimum clearance 25mm
Shipping Weight Box 20 = 400gm

ORDERING INFORMATION

Order No.	Description
WNC-00020-06	Benelux Wallplate 2P 568B PowerCat UTP
WNC-00021-06	Benelux Wallplate SHL 2P 568B PowerCat FTP

Molex Premise Networks sandard fascia colour is white. Other colours may be subject to minimum order quantities. The bezel is not included in the kit.

PowerCat system products

Order No.	Description	Order No.	Description
Panel		**Patchcords**	
27.1B.241.A005G 24	Port Panel - With Cover 1U 568B UTP	PCD-00071-0*	UTP Patch Cords 5m
PID-00058	24 Port Panel 1U 568B UTP	PCD-00104-0*	FTP Patch Cords 5m
PID-00019	24 Port Panel 1U 568B FTP		
Cable			
CAA-00013	4 Pair FTP PVC Cat 5E Cable 305m Box		
39.A0360	4 Pair UTP PVC Cat 5E Cable 305m Box		