

PowerCat 5E FTP DataGate Jack



The FTP DataGate Jack is part of the PowerCat 5e FTP product range that has been designed to support a growing requirement for shielded cabling systems offering enhanced EMC protection and improved Alien Crosstalk performance.

This superior connector provides 360° shielded protection by utilizing a two piece tin/nickel plated brass can that encloses the RJ45 IDC. The FTP DataGate Jack provides 180° and 90° cable exit and includes a unique integral shutter that not only protects it from dust and contaminants, but the ingenious spring-loaded design also ejects improperly seated patch cords.

Suitable for high-speed data transmission, the FTP DataGate Jack has been designed to exceed the highest electrical performance standards in the industry.

Features and Advantages

360° Shielded RJ45 Jack

Dual color coding allows 568A/B wiring

Patented IDC V-Shaped contacts that flex not fatigue when terminated

Patented Spring-Loaded Shutter

RJ-11 compatible

Accepts color coded port identification labels

RoHS Compliant



Specifications

MECHANICAL

Jack Connector

Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent

Operating Life: Minimum 750 insertion cycles

Contact Material: Copper Alloy

Contact Plating: 1.25 micrometres Au/Ni

Contact Force: 100g minimum

Plug Retention Force: 5kg

Can: 0.25mm brass to C2680R pre-plated tin over nickel

IDC Connector

Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent

Operating Life: Minimum 20 reterminations

Contact Material: Copper Alloy

IDC Contact Plating: Tin matte finish

Contact Force: 100g minimum

Wire Accommodation: 22-24 AWG solid

ELECTRICAL

Interface Resistance: 20mΩ

Initial Contact Resistance: 2.5mΩ

Insulation Resistance: >100MΩ

PHYSICAL

Minimum Backbox Depth Requirement: 40mm

Shipping Weight: 50g

Dimensions:

Jack: 25.5mm(W) (includes 90° exit collar) x 21.5mm(H) x 37.5mm(L) (includes 180° exit collar)

Nose: 16.4mm(W) x 20.1(H) x 9mm(L)

Termination Tool: 110

COMMERCIAL STANDARDS

TIA/EIA-568-C.2:2009 cat. 5e

EN 50173-1:2011 Class D

ISO/IEC 11801:2010 (Ed 2.2) Class D

FCC Subpart F68.5

Pending Approvals

UL-1863 (Pending)

CSA (Pending)

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Ordering Information

Order No.	SAP No.	Description	Colour
KSJ-00036-02	Consult Molex	PowerCat 5e FTP DataGate Jack RJ45 568A/B C5E	White
KSJ-00036-04	Consult Molex	PowerCat 5e FTP DataGate Jack RJ45 568A/B C5E	Black
CSP-00021-**	Consult Molex	Connector Icon Label	

Insert color code in place of ** in part number when ordering DataGate connector icon label: 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Grey, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple

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