PowerCat 6 FTP Angled Euromod II Module

Features and Benefits

The FTP Euromod modular system provides a flexible and versatile method of installation, allowing the user the choice of installing as many data outlets as required. The module is compatible with the Euromod range of wall plates and its angled design reduces patch cord bend radius, essential for C6 installations.

The FTP Angled Euromod II module features the FTP DataGate Plus Category 6 connector allowing 180° and 90° cable exit. This superior connector provides 360° shielded protection by utilising a two piece tin/nickel plated brass can that encloses the RJ45 IDC. The FTP DataGate Plus connector 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. The FTP DataGate Plus connector is dual colour coded for either 568A or 568B wiring schedules and is RJ11 compatible.

Suitable for high-speed data transmission, the FTP DataGate Plus Category 6 connector has been designed to exceed the highest electrical performance standards in the industry and has been independently tested and verified by ETL SEMKO for Category 6 component compliance. Offering enhanced EMC protection and improved Alien Crosstalk performance, this module is suitable for the support of 10G Base-T and is also backwards compatible with FTP C5E systems.

- 25 x 50mm fascia
- 360° shielded shuttered RJ45 DataGate Plus connector
- Protected labelling facility
- Euromod wall plate compatible
- Angled fascia

Compliant With

TIA/EIA-568-B.2-1, FCC Subpart F 68.5, ISO 60603-7, ISO 11801:2002, EN 50173:2002, 10G Base-T compatible

Approvals

UL-1863 (Pending)
CSA (Pending)
ETL Verified for Category 6 Component Compliance

Technical Information

Mechanical Characteristics

Jack Connector

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Can:	0.25mm brass to C2680R pre-plated tin over nickel
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:	6.8kg.

IDC Connector

Plastic Housing:	Polycarbonate, UL94V-0 rated or equivalent
Operating Life:	Minimum 20 reterminations
Contact Material:	Copper Alloy
IDC Contact Plating:	Tin/Lead Plate
Contact Force:	100g minimum
Wire Accommodation:	22-24 AWG solid

Electrical Characteristics

Interface Resistance:	20mΩ
Initial Contact Resistance:	2.5mΩ
Insulation Resistance:	>100 MΩ

Minimum Backbox Depth Requirement: 35mm 90° cable entry may not be possible in certain styles of floor boxes or back boxes.

Termination Tool:	110
Shipping Weight:	468g (Pk of 10)

10G BaseT
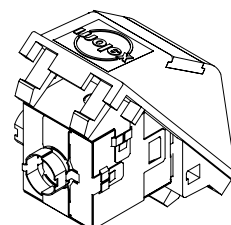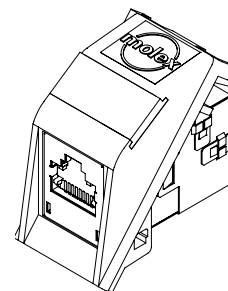
ORDERING INFORMATION

Order No.	Description
MEU-00058-02	FTP Angled Euromod II DataGate Plus RJ45 568A/B C6, White

ETL VERIFIED®

DataGate Plus Connector - NEXT (Typical)

DataGate Plus Connector - FEXT (Typical)

DataGate Plus Connector - Return Loss (Typical)
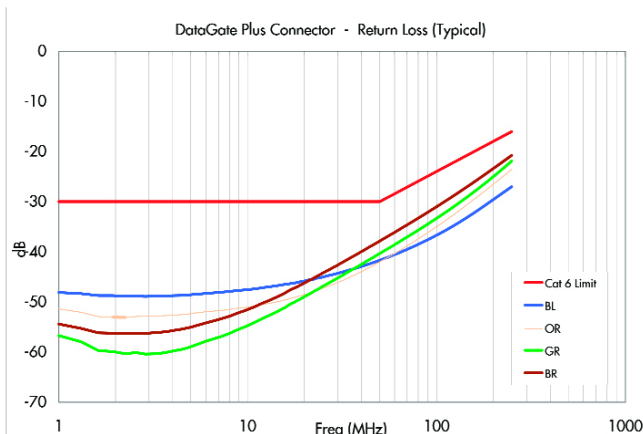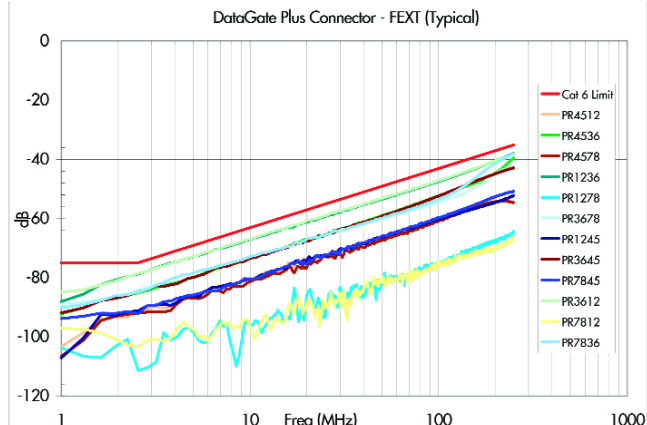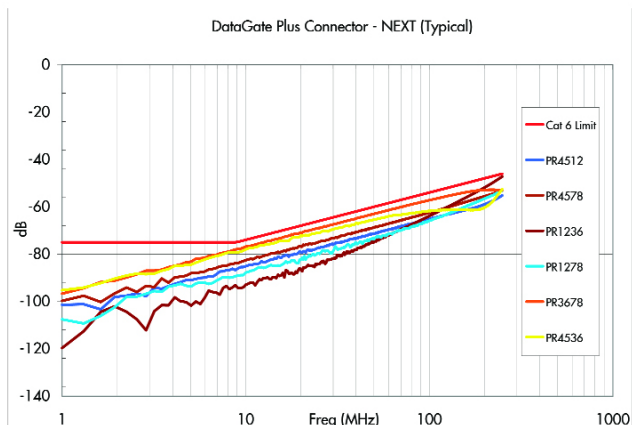
DataGate Plus Worst Case (dB)

Frequency (MHz)	NEXT SPEC	NEXT MOLEX	FEXT SPEC	FEXT MOLEX	Return Loss SPEC	Return Loss MOLEX	Insertion Loss SPEC	Insertion Loss MOLEX
1	-75.0	-95.3	-75.0	-84.9	-30.0	-48.1	-0.10	-0.02
4	-75.0	-85.3	-71.1	-75.0	-30.0	-48.8	-0.10	-0.02
8	-75.0	-79.1	-65.0	-68.9	-30.0	-47.9	-0.10	-0.02
10	-56.1	-77.2	-63.1	-67.1	-30.0	-46.7	-0.10	-0.02
16	-69.9	-73.0	-59.0	-62.9	-30.0	-43.1	-0.10	-0.02
20	-68.0	-70.8	-57.1	-60.8	-30.0	-41.3	-0.10	-0.02
25	-66.0	-68.9	-55.1	-59.1	-30.0	-39.3	-0.10	-0.02
31.25	-64.1	-67.2	-53.2	-57.2	-30.0	-37.2	-0.11	-0.02
62.5	-58.1	-61.1	-47.2	-51.4	-28.0	-31.2	-0.16	-0.03
100	-54.0	-57.3	-43.1	-47.2	-24.0	-26.9	-0.20	-0.05
200	-48.0	-50.7	-37.1	-40.5	-18.0	-20.2	-0.28	-0.07
250	-46.0	-48.7	-35.1	-38.0	-16.0	-18.2	-0.32	-0.09

NOTE:
Performance values shown in dB.
For NEXT, FEXT and Return Loss: the higher the negative value the better the performance (e.g. -73.0 better than -69.9)
For Insertion Loss: the lower the negative value the better the performance (e.g. -0.02 better than -0.10)