



Features and Benefits

The 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 wallplates and its angled design reduces patch cord bend radius, essential for C6 installations.

The Angled Euromod II module features the DataGate Plus Category 6 connector. This superior RJ45 IDC includes a unique integral shutter that not only protects the connector from dust and contaminants, but the ingenious spring-loaded design also ejects improperly seated patch cords. The 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 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. The DataGate Plus connector is also backwards compatible with CSE systems.

- 25 x 50mm fascia
- 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

Approvals

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

Technical Information

Mechanical Characteristics

Jack Connector
Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent
Minimum 750 insertion cycles
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.

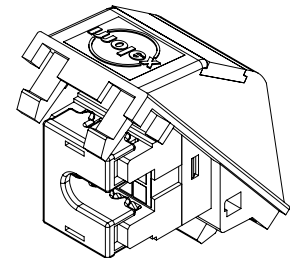
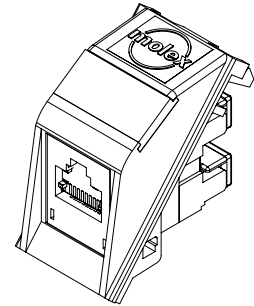
IDC Connector
Plastic Housing: Polycarbonate, UL94V-0 rated or equivalent
Minimum 20 reterminations
Operating Life: Minimum 20 reterminations
Contact Material: Copper Alloy
IDC Contact Plating: Tin/Lead Plate
Contact Force: 100g minimum
Wire Accommodation: 22-24 AWG solid

Electrical Characteristics

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

Minimum Backbox Depth Requirement: 25mm

Termination Tool: 110
Shipping Weight: 325g (Pk of 20)



ORDERING INFORMATION

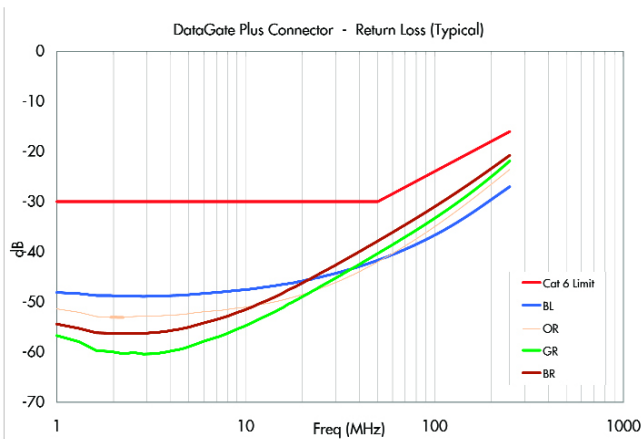
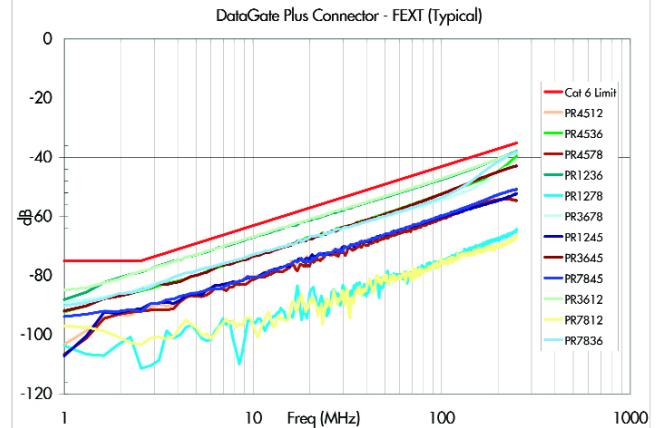
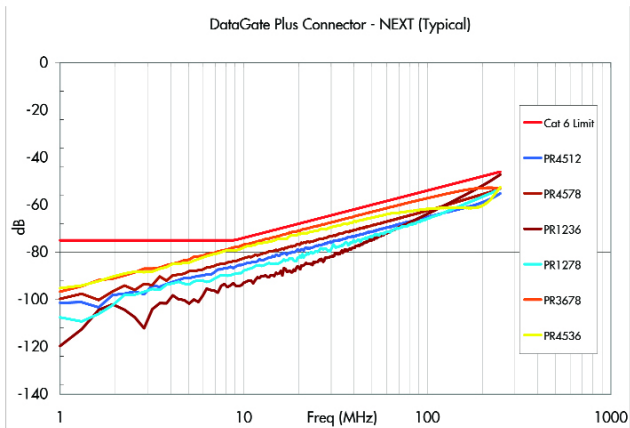
| Order No. | Description |
|--------------|---|
| MEU-00056-02 | UTP Angled Euromod II DataGate Plus RJ45 568A/B C6, White |



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| DataGate Plus Worst Case (dB) | | | | | | | | |
|-------------------------------|-------|-------|-------|-------|-------------|-------|----------------|-------|
| Frequency (MHz) | NEXT | | FEXT | | Return Loss | | Insertion Loss | |
| | SPEC | MOLEX | SPEC | MOLEX | SPEC | MOLEX | SPEC | 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 | -37.4 | -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)

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