PowerCat 6 Contura™ Modular Wall Outlets

Features and Benefits

Molex Premise Networks modular wall outlet range Contura was designed to combine aesthetics with functionality.   The contemporary design of the products is ideal for the modern office and provides the user with the flexibility of installing as many modules as required. The product family consists of Single and Double Gang Wall Plates with Grid Plate. A shuttered DataGate Plus™ Module and a Blank Module. The angled design of the module reduces patch cord bend radius and features a protected labelling feature. Individual ports may be colour coded for site-specific network administration, by fitting connector icon labels.

The Contura data 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 C5E systems.

- Contemporary design
- Single and Double Gang Wall plates
- Shuttered RJ45 DataGate Plus Module
- Protected labelling facility
- Independently tested

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
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

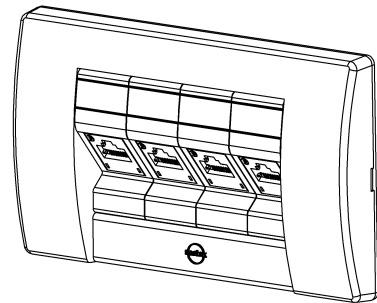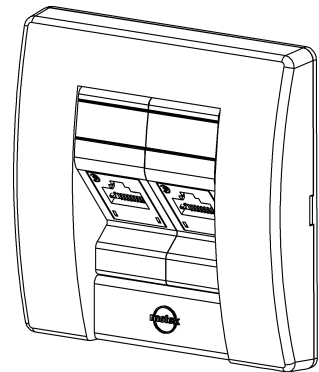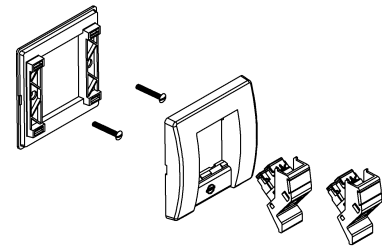|	
Interface Resistance:	$20m\Omega$
Initial Contact Resistance:	$2.5m\Omega$
Insulation Resistance:	$>100\ M\Omega$

Dimensions:

Single Gang - 86 x 86mm (external), 52 x 45mm (internal aperture).
Double Gang - 86 x 145mm (external) 52 x 90mm (internal aperture).
Module and Blank 52 x 22.5mm

Minimum Backbox Depth Requirement: 25mm

Termination Tool: 110

Shipping Weight:

Single Gang & Gride Plate:	48g (Pk of 10)
Double Gang & Grid Plate:	38g (Pk of 5)
Module:	312g (Pk of 20)
Blank:	410g (Pk of 40)

Order No.	Description
WGB-00001-02	Single Gang Wall Plate (includes grid plate) White
WGB-00002-02	Double Gang Wall Plate (includes grid plate) White
MGB-00001-02	Angled DataGate Plus RJ45 Module 568A/B UTP Cat 6 White
MGB-00002-02	Blank Module
CSP-00021-**	Connector Icon Labels (10 per pack)

Insert color code in place of ** in part number when ordering PowerCat 6 Accessories:
01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Grey, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple
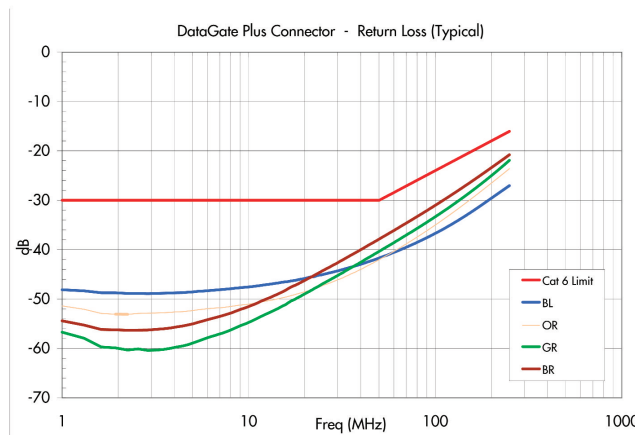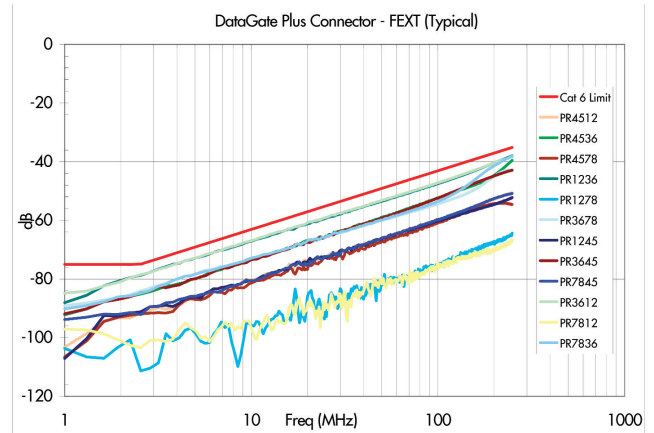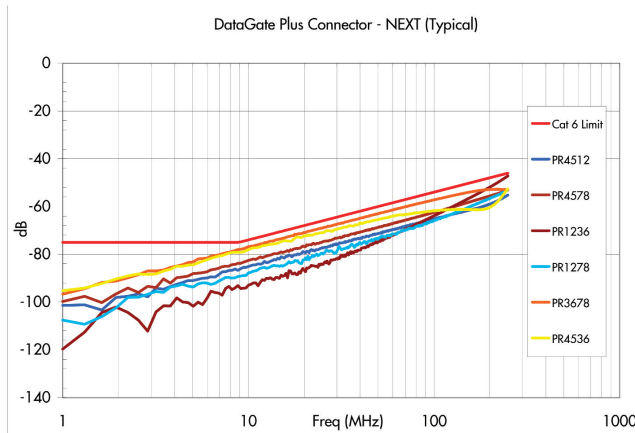
MOLEX PREMISE NETWORKS

molex®

PowerCat 6 Contura™
Modular Wall Outlets

DataGate Plus Connector - NEXT (Typical)

DataGate Plus Connector - FEXT (Typical)

DataGate Plus Connector - Return Loss (Typical)

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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