

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™ 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 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 connector is dual colour coded for either 568A or 568B wiring schedules and is RJ11 compatible.

Suitable for high-speed data transmission, the DataGate 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 connector is also backwards compatible with C5E systems.

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

Commercial Standards

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

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: 1.27 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/Optical Characteristics

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

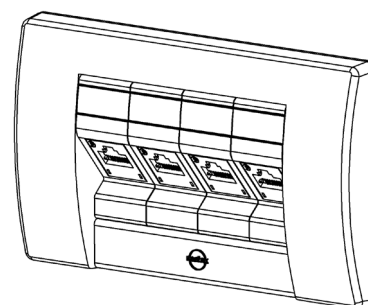
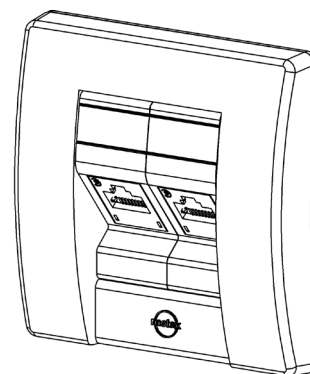
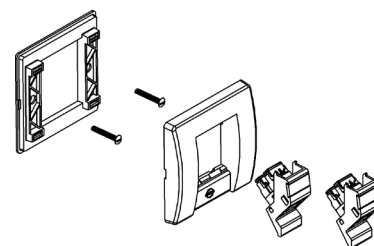
Dimensions:
 Single Gang:
 86 x 86mm (external),
 52 x 45mm (internal aperture).

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



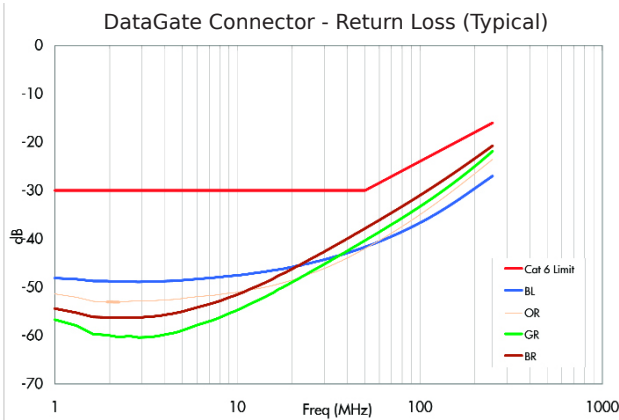
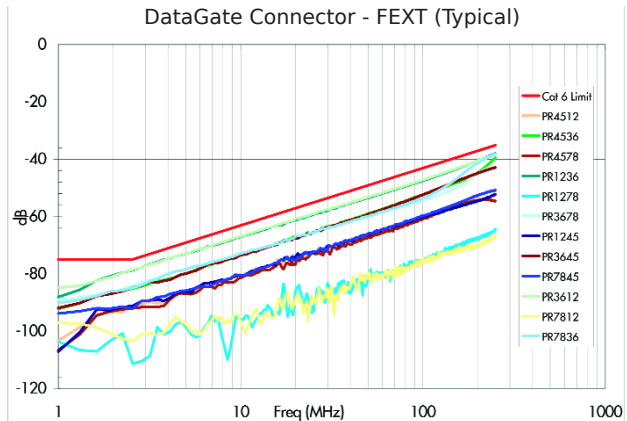
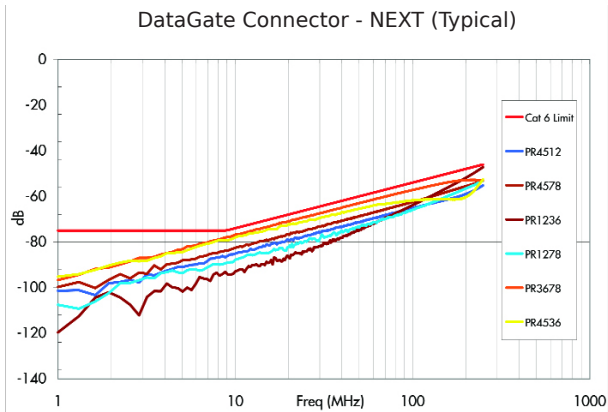
Insert color code in place of ** in part number when ordering PowerCat 6 Accessories:
 01 = Almond, 02 = White, 04 = Black, 05 = Ivory, 08 = Light Grey, RD = Red, BL = Blue, GR = Green, YL = Yellow, RG = Orange, PP = Purple

MOLEX PREMISE NETWORKS

Americas
 Tel: 630 969 4550
 www.molexpn.com

EMEA
 Tel: 44 (0)2392 205800
 www.molexpn.co.uk

APAC
 Tel: 61 3 9971 7111
 www.molexpn.com.au



DataGate 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)

ORDERING INFORMATION

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



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