

FIBER DISTRIBUTION MODULE

PDS-0034



DESCRIPTION

Wirewerks™ fiber distribution modules provide enclosed modular fan-out assemblies for plug-and-play systems. These modules have Low Loss MPO/MTP adapters on the rear side.

Inside, a high quality MPO to single fiber connector fan-out provides the optical circuit to interconnect the front and rear adapters.

The modules are compatible with all Wirewerks LGX style patch panels. They are available in all standard fiber types. The distribution modules are factory terminated, assembled, tested and inspected prior to shipment. Custom module configurations are also available upon request.

FEATURES and BENEFITS

- Compatible with all LGX Style panels
- Complete optical testing
- Quick and easy, tool-less mounting

APPLICATIONS

- Telecommunications
- FTTX
- Headend & central office
- Data centers
- Enterprise LANs

ORDERING INFORMATION

Part Number Builder
DM- AM CC D EE

Example: DM-1MLCA12 = DISTRIBUTION MODULE SINGLE MODE LC/APC 12 FIBER

Core Size		Connector #1		Polish #1		Number of Fibers	
1	Single mode OS2	SC	SC	A	APC	06	6 fibers
2	Multimode OM1 62.5/125 μm	LC	LC	B	UPC	12	12 fibers
3	Multimode OM2 50/125 μm			C	PC	24	24 fibers (Two 12 fiber ports)
4	Multimode OM3 50/125 μm					CS	24 fibers (One 24 fiber ports)
5	Multimode OM4 50/125 μm						

* 24 fiber modules available in LC type only
** ST and FC Modules available upon request

PACKAGING and SHIPPING

Description
Cardboard box, 1 unit per box

PHYSICAL SPECIFICATIONS

Parameter	Value
Plastic Material	UL 94V-0 high-impact thermoplastic
Panel Material	16 Gauge cold rolled steel (CRS)
Panel Finish	Black Sandex
Connector ferrule Material	Zirconia Ceramic
MTRJ, MPO ferrule Material	Composite
Overall Dimensions	1.15" X 5.1" X 4.6"

MECHANICAL SPECIFICATIONS

Parameter	Value
Operating Temperature	-20°C (-4°F) ~ 70°C (158°F)
Storage Temperature	-40°C (-40°F) ~ 85°C (185°F)

PERFORMANCE SPECIFICATIONS

	SM		MM			
	UPC	APC	OM1 62.5/125	OM2 50/125	OM3 50/125	OM4 50/125
Insertion Loss*	0.65 dB Max (0.45 dB typ.)		0.65 dB Max (0.45 dB typ.)			
Return Loss	≥55 dB	≥ 65 dB	N/A			

*Includes MPO and single fiber connectors on each fiber
 Wiring: MTP fiber 1 to connector pos 1, MTP fiber 2 to connector pos 2, etc to MTP fiber 12 to connector pos 12.

STANDARDS COMPLIANCE

TIA-569-B

Commercial Building Standard for Telecommunications Pathways and Spaces

GR-326-CORE

Generic Requirements for Single Mode Optical Connectors and Jumper Assemblies.

ANSI/TIA-568.3-D

Optical Fiber Cabling Components Standard

TIA-455 series

Standard test Procedure for Fiber Optic Components

UL 94

Tests for Flammability of Plastic Material for Parts in Devices and Appliances

ITU-T G.652.D

Characteristics of single mode optical fiber cable - Low water peak single mode optical fiber

GR-20-CORE

Generic Requirements for Optical Fiber and Optical Fiber Cable

TIA-604 series

Fiber Optic Connector Intermateability Standard

IEC 60874-1

Connectors for Optical Fibers and Cables – Generic Standard

RoHS

Directive on Restriction of Hazardous Substances

