



PRODUCT INFORMATION

MDC Modules

Secure Solutions

DMSI offers Secure Solutions Color Coded & Non-Keyed for a more secured data transmission through an optical cable.

Using the existing families of Classic, PRM, and LGX compatible panels or modules allow end users to upgrade in fiber density without the added cost of buying a new hardware enclosure or system. Simply swap out the existing panel or module to an MDC and plug in the additional fibers required.

Panels use an MDC adapter to accept a jumper or pre-terminated trunk on each side of the panel, up to 48 fiber per Classic panel.

Modules use a denser MDC adapter to achieve higher fiber counts over panels. A standard Classic MDC module provides 72 fibers, using 12 MDC adapter ports at 6 fibers each, with 6 MTP® ports on the back. Standard modules use pinned (male) MTP connectors, and should be mated with non-pinned (female) trunk cables.

Features

- Multiple family specifications for network compatibility
- MDC adapters available in 13 colored non-keyed options
- 3x fiber cabling density over LC connectors
- Multiple polarity types for physical secure network
- MTP® available in 13 unique colors

Product Specifications

Product Type	Secure Solutions Non-Keyed Color Coded MTP®-MDC Module
Fiber Category	Single-mode OS2 / 50µm Multimode OM3 / OM4 / OM5
Fiber Count	36F / 72F
Adapter Type	MDC3
Connectivity Type	UHM (Universal Housing Module) / Classic / LGX Compatible / PRM
Colors Available	Blue / Orange / Green / Brown / Slate / White / Red / Black / Yellow / Violet / Rose / Aqua / Lime Green
Polarity Type	Type A / Type B / Type C



UHM
(Universal Housing Module)



Classic



LGX Compatible



PRM

To order or for more info,
please contact our sales
team:

Call: +1 (941) 244-0935

Email: info@dmsimfg.com



www.dmsimfg.com

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Connector Performance Specifications

CONNECTOR TYPE	TYPICAL IL PERFORMANCE	MAX IL PERFORMANCE	RETURN LOSS
Single-mode MDC	≤0.07 dB	≤0.15 dB	≥-20 dB
Single-mode MTP®	0.25 dB	0.75 dB	≥-60 dB
Single-mode MTP® (Low Loss)	0.10 dB	0.15 dB	≥-20 dB
Multimode MDC	≤0.07 dB	≤0.15 dB	≥-20 dB
Multimode MTP®	0.20 dB	0.55 dB	≥-20 dB
Multimode MTP® (Low Loss)	0.10 dB	0.15 dB	≥-20 dB

Connector Compliances

- MPO (including MTP®), TIA/EIA-604-5

MDC COMPLIANCES

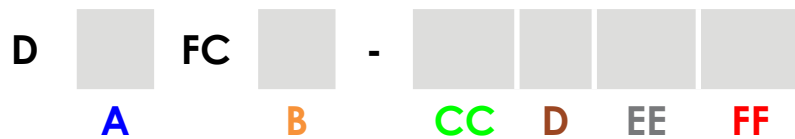
- Telecordia GR-326
- TIA-568
- Meets IEC-61753-1 Grade B IL requirements

COMPONENTS RATED UL94 V-0

MPO COMPLIANCES

- Meets IEC Standard 61754-7
- Structured cabling per TIA-568-C
- Parallel Optics
- Optical Internetworking Forum (OIF) Compliant
- Infiniband Compliant
- 10G Fiber Channel Compliant
- 40G and 100G IEEE 802.3
- SNAP 12
- POP 4
- QSFP
- CXP

Part Number Configurator



A	Select Polarity
A	Type A
B	Type B
C	Type C
B	Select Connectivity
C	Classic
X	LGX Compatible
P	PRM
CC	Select Fiber Count
12	12F
24	24F
36	36F
72	72F
D	Select Fiber Type
Y	Single-mode OS2
F	OM1
E	OM2
G	OM3
M	OM4
W	OM5 (WBMMF)

EE	Select Keyed Color
0B	Blue
0N	Orange
0G	Green
0W	Brown
0T	Slate
0H	White
0R	Red
0K	Black
0Y	Yellow
0V	Violet
0S	Rose
0A	Aqua
0L	Lime Green
FF	Standard for Low Loss MTP® Pinned
46	12 Fiber only
M4	24 Fiber only

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UHM (Universal Housing Module) Part Number Configurator

UHM - - 0346 -
 A BB C D

A	Select Polarity
A	Type A
B	Type B
C	Type C
BB	Select Fiber Count
36	36 F
72	72 F

C	Select Fiber Type
Y	Single-mode OS2
F	OM1
E	OM2
G	OM3
M	OM4
W	OM5 (WBMMF)
03	MDC3 Adapter
46	Standard for Low Loss MTP® Pinned

D	Select Keyed Color
B	Blue
N	Orange
G	Green
W	Brown
T	Slate
H	White
R	Red
K	Black
Y	Yellow
V	Violet
S	Rose
A	Aqua
L	Lime Green

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