



# PRODUCT INFORMATION

## MDC-MTP® Breakout Cables

MDC connectors are installed and removed using a push-pull strain relief boot. The boot assists in very dense applications providing easy extraction from adapters and ports. Polarity is easily changed without the need of a tool, or exposing fibers, by simply pulling back the strain relief and rotating around the connector body. Jumpers are exclusively micro size cable, and available with alternate connectors on the other end, such as LC, for connecting to existing infrastructure.

### 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

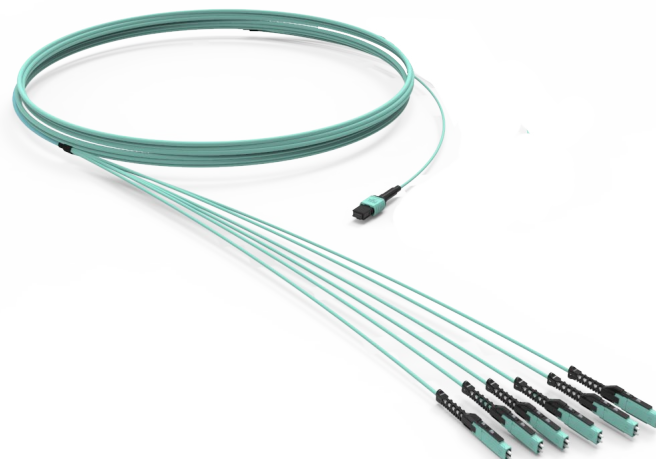
#### COMPONENTS RATED UL94 V-0

#### 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

### Product Specifications

Product Type	MDC to MTP® Breakout Cables
Fiber Category	Single-mode OS2 / 62.5µm Multimode OM1 / 50µm Multimode OM3 / OM4 / OM5
Fiber Count	8F - 288F
Connector Type	MTP® PRO non-pinned / MTP® PRO pinned / MDC Premium Low Loss Duplex / MDC/APC Premium Low Loss Duplex
Colors Available	Blue / Orange / Green / Brown / Slate / White / Red / Black / Yellow / Violet / Rose / Aqua / Lime Green



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

Call: +1 (941) 244-0935  
Email: [info@dmsimfg.com](mailto:info@dmsimfg.com)



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## Standard and Compliances

### Single-mode OS2

The standard single-mode offering is a 10mm OS2 bend insensitive fiber. Bend performances of 7.5mm and 5.0mm are also available.

#### COMPLIANCES

- ICEA S-83-596 UL1666
- TIA492-CAAB
- TIA-568-C.3
- TIA-568-D

#### NUMERICAL APERTURE

- .14 (characterized)

#### AVAILABLE FIBER TYPES

- Corning® SMF-28® Ultra optical fiber compliant to G.657.A1, 10mm BR
- Corning® ClearCurve® LBL optical fiber compliant to G.657.A2/B2, 7.5mm BR
- Corning® ClearCurve® ZBL optical fiber compliant to G.657.B3, 5mm BR

### Multimode 62.5µm OM1

#### COMPLIANCES

- ICEA S-83-596 UL1666
- TIA492-AAAA-A
- TIA-568-C.3
- TIA-568-D
- ISO/IEC 11801 Type OM1
- IEC 60793-10 UL1666

#### NUMERICAL APERTURE

- $.275 \pm 0.015$

#### AVAILABLE FIBER TYPES

- 62.5µm OM1 (standard offering for OMNIA® and IllumiCore®)

### Multimode 50µm OM3 / OM4 / OM5

#### COMPLIANCES

- ICEA S-83-596 UL1666
- TIA-568-C.3
- TIA-568-D
- IEC 60793-10 UL1666

#### NUMERICAL APERTURE

- $.20 \pm 0.015$

#### AVAILABLE FIBER TYPES (7.5mm Bend Radius)

- Corning® ClearCurve® OM3 optical fiber compliant to TIA492-AAAC-B, A1a.2 to IEC60793-2-10
- Corning® ClearCurve® OM4 optical fiber compliant to TIA492-AAAD, A1a.3 to IEC60793-2-10
- Corning® ClearCurve® OM5 optical fiber compliant to TIA492-AAAE, A1-OM5 to IEC60793-2-10

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## Part Number Configurator



AA	Select Connectors
07	MDC Premium Low Loss Duplex
08	MDC/APC Premium Low Loss Duplex
BB	Select Connectors
E8	MTP® PRO non-pinned (8F)
E9	MTP® PRO pinned (8F)
40	MTP® PRO non-pinned (12F)
41	MTP® PRO pinned (12F)

CCC	Select Fiber Count
008 - 288	
D	Select Fiber Type
Y	Single-mode OS2 10.0mm BIF
Z	Single-mode OS2 5.0mm BIF
G	50µm OM3 7.5mm BIF
M	50µm OM4 7.5mm BIF
W	50µm OM5 WBMMF 7.5mm BIF
E	Select Polarity Type
A	Type A
B	Type B
C	Type C

F	Select Jacket 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
2	Plenum
GGG	Select Length
001 - 999	
H	Select Unit of Measure
F	Feet
M	Meter
N	Inches

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