



PRODUCT INFORMATION IllumiCore[®]+ MTP[®] Trunks

IllumiCore[®]+ solutions are premium optical performance products exclusively made in the United States of America, and exceed all industry standards and specifications. Premium components are sourced from sustainable sources to ensure no supply chain interruptions due to world events.

MTP[®] trunk solutions exclusively feature the MTP[®] brand connector, manufactured by US Conec. The most common MTP is a 12 fiber ferrule but is also available in 8 up to 72 count connector ferrules. Cable construction is a micro-250, with reduced diameter making cables easier to pull and route. All trunks can be manufactured for backward compatibility with competitor solutions.

Connector Performance Specifications

CONNECTOR TYPE	TYPICAL IL PERFORMANCE	MAX IL PERFORMANCE	RETURN LOSS
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 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

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	IllumiCore [®] + MTP [®] Trunks
Fiber Category	Single-mode OS2 / 62.5µm Multimode OM1 / 50µm Multimode OM3 / OM4 / OM5
Fiber Count	8F to 288F
Connector Type	MTP [®] PRO non-pinned / MTP [®] PRO pinned
Connector Color	Blue / Orange / Green / Brown / Slate / White / Red / Black / Yellow / Violet / Rose / Aqua / Lime Green
Polarity Type	Type A / Type B / Type C

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

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



www.dmsimfg.com

All Rights Reserved. November 2016



PRODUCT INFORMATION IllumiCore[®]+ MTP[®] Trunks

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

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

Call: +1 (941) 244-0935

Email: info@dmsimfg.com



www.dmsimfg.com

All Rights Reserved. November 2016



PRODUCT INFORMATION IllumiCore[®]+ MTP[®] Trunks

Part Number Configurator



P	Standard Pull Eye on Outer End
AA & 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 to 288	

D	Select Fiber Type
Y	Single-mode OS2 10mm bend (standard)
Z	Single-mode OS2 5.0mm bend
G	OM3
M	OM4
W	OM5 (WBMMF)
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

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

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

