

IllumiCore[®] + MTP[®] Harness

Harness assemblies are manufactured using a micro-250 plenum rated cable. Harnesses are terminated with a low loss MTP[®] on one end, and a single or duplex fiber connector on the other end. These are configurable exactly to end-user preference.



CONNECTOR TYPES

- MTP Elite Low Loss Performance
- MTP PRO Low Loss Performance
- SC, LC, MDC, LC Uniboot

OPTICAL FIBER TYPES

- Single-mode OS2
- 50µm Multimode OM3, OM4
- 50µm Wide Band Multimode (WBMMF) OM5

BREAKOUT LEG OPTIONS

- 900µm color coded simplex
- 2.0mm simplex
- 2.0mm duplex Uniboot (LC and MDC only)
- Straight or Staggered

MTP® TRUNKS COMPLIANCES

CONNECTOR COMPLIANCES

- LC Connectors, TIA/EIA-604-10
- MPO (including MTP®), TIA/EIA-604-5

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

CONNECTOR PERFORMANCE SPECIFICATIONS

CONNECTOR TYPE	TYPICAL IL PERFORMANCE	MAX IL PERFORMANCE
Single-mode LC	≤ 0.07 dB	≤0.15 dB
Single-mode SC	≤ 0.07 dB	≤0.15 dB
Single-mode MDC	≤ 0.07 dB	≤0.15 dB
Single-mode MTP®	≤ 0.07 dB	≤0.15 dB
Multimode LC	≤ 0.07 dB	≤0.15 dB
Multimode SC	≤ 0.07 dB	≤0.15 dB
Multimode MDC	≤ 0.07 dB	≤0.15 dB
Multimode MTP®	≤ 0.07 dB	≤0.15 dB

PART NUMBER CONFIGURATOR

AA BB CCC D E F 2 XXX G

AA & BB	Select Premium Low Loss Connector Type
40	MTP PRO non-pinned
41	MTP PRO pinned
3U	LC Reverse Polarity Uniboot
33	LC simplex
34	LC Duplex
37	LC/APC simplex
17	MDC Uniboot
18	MDC/APC Uniboot
CCC	Select Fiber Count
004, 006, 008, 010, 012	
D	Select Fiber Type
Y	OS2 10mm bend (standard)
Z	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 - Standard for OFNP (Plenum)	
XXX	Select Length (3 digits)
001 - 999	
G	Select Unit of Measure
F	Feet
M	Meter