



MTP® cable assemblies are configurable in trunks, harnesses, jumpers, and hybrid trunk solutions. All products feature the MTP brand connector and a micro 250 reduced diameter cable. Connectors are available in 4 to 24 fiber ferrule single-mode, and 4 to 72 fiber ferrule multimode.

All cable assemblies are manufactured using component materials that meet the EU RoHS and REACH directive standards. Cables are available in TIA standard or special order colors. Jacket ratings are available in Plenum (OFNP), Riser (OFNR) and LSZH.

FEATURES

- Highly customizable to user preference
- Custom color jackets and furcation legs
- OMNIA® trunks feature direct mount breakout kit
- Push-pull, color coded non-keyed, and keyed connector options
- Any polarity for backward compatible with all manufacturer products and existing networks

Connector Performance Specifications

OMNIA® and IllumiCore®

	Typical IL Performance (dB)	Max IL Performance (dB)	Typical Reflectance (dB)
Single-mode LC	0.13	0.20	-57
Single-mode ST	0.14	0.20	-56
Single-mode FC	0.16	0.20	-57
Single-mode SC	0.16	0.20	-57
Single-mode MTRJ Pinned	0.25	0.50	-51
Single-mode MTRJ Non-Pinned	0.17	0.50	-51
Multimode LC	0.17	0.20	
Multimode ST	0.10	0.20	
Multimode FC	0.10	0.20	
Multimode SC	0.12	0.20	
Multimode MTRJ Pinned	0.20	0.50	
Multimode MTRJ Non-pinned	0.20	0.50	
Multimode MTP® Low Loss (standard)	0.10 (single fiber)	0.35	
Single-mode MTP® Standard Loss	0.25 (single fiber)	0.75	> 60
Single-mode MTP® Low Loss	.10 (single fiber)	0.35	> 60

COMPLIANCES

- LC Connectors, TIA/EIA-604-10
- SC Connectors, TIA/EIA-604-3
- ST Connectors, TIA/EIA-604-2
- FC Connectors, TIA/EIA-604-4
- MTRJ Connectors, TIA/EIA-604-12
- MPO (including MTP®), TIA/EIA-604-5

Standard Trunks, ORDERING INFORMATION

(X*)(AA)(BB)(CCC)(D)(E)(F)(G)(HHH)(I)

(X*) Option for Pull Eye, Use "P" for one end, "B" for both ends, leave blank if not needed.

(AA)&(BB) Select Connectors

- 30 LC simplex
- 31 LC duplex
- 38 LC/APC duplex
- 39 LC/APC simplex
- 3U LC Reverse Polarity Uniboot*
- P1 LC Push-Pull Uniboot*
- 45 MTP® 12F non-pinned
- 46 MTP® 12F pinned
- 48 MTP® 8F non-pinned
- 49 MTP® 8F pinned
- E4 MTP®/APC Low Loss non-pinned
- E6 MTP®/APC Low Loss pinned
- H4 MTP® 24F non-pinned
- M4 MTP® 24F pinned

(D) Select Fiber Type

- Y OS2 10mm bend (standard)
- L OS2 7.5mm bend
- Z OS2 5.0mm bend
- F OM1
- E OM2
- G OM3
- M OM4
- W OM5 (WBMMF)**

(G) Select Cable Type

- 2 Indoor, OFNP
- 9 Indoor, OFNR
- Z Indoor, LSZH
- N Indoor/Outdoor, OFNR
- T Indoor/Outdoor, OFNP
- A Interlocking Armor, OFCP
- R Interlocking Armor, OFCR

(E) Select Polarity

- A Type A
- B Type B
- C Type C

(HHH) Select Length (3 digits)

001 - 999

(CCC) Select Fiber Count

004 to 288

(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

(I) Select Unit of Measure

- F Feet
- M Meter

SINGLE-MODE

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

NUMERICAL APERTURE

- .14 (characterized)

AVAILABLE FIBER TYPES

- G.657.A1 10mm bend (standard offering for OMNIA and IllumiCore)
- G.657.A2/B2 7.5mm bend
- G.657.B3 5.0mm bend
- G.652.D

MULTIMODE 62.5µm OM1

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-AAAA-A
- TIA-568-C.3
- 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 OM2, OM3, OM4, and OM5

Each of the 50-micron options are a bend-insensitive fiber. Cable jackets are colored for easy bandwidth performance identification: OM2 orange, OM3/4 aqua, and OM5 lime. Custom colors are always available.

COMPLIANCES

- ICEA S-83-596 UL1666
- TIA-568-C.3
- TIA492-AAC-B (OM3)
- TIA492-AAAB-A (OM2)
- TIA492-AAAD (OM4)
- TIA492-AAAE (OM5)

NUMERICAL APERTURE

- $.20 \pm 0.015$

AVAILABLE FIBER TYPES

- OM2
- OM3
- OM4
- OM5