

## GIGAC™ MTP/MPO Patchcord Cables

### Features

- ✓ Polarity available in Type-A, Type-B, Type-C, Type-R
- ✓ Insertion loss type available in Standard, Elite / Low Loss
- ✓ Fiber count available in 8, 12, 24, 48
- ✓ MTP/MPO connector type available in Male, Female, Male to Female
- ✓ Fiber type available in SM (G652D, G657A1, G657A2), MM (OM1, OM2, OM3, OM4)
- ✓ Cable jacket type available in OFNR, LSZH, OFNP
- ✓ Multi-fiber connector type available in MTP, MPO with APC or PC polishing type
- ✓ Cable length available in 1 to 999 meters
- ✓ Cable type available in round, ribbon
- ✓ Improve and simplify fiber routing, decrease fiber management space
- ✓ Comply with IEC 61754-7, Telcordia GR-1435-CORE, RoHS



### Applications

- ✓ Data Center Interconnect
- ✓ High-Density Cross Connect
- ✓ Backbone Installations
- ✓ Telecommunication Networks
- ✓ Broadband/CATV Networks
- ✓ Test Labs
- ✓ LAN/WAN Premises

### Description

The GIGAC™ MTP/MPO Patchcord Cables are multi-fiber cables using the MTP/MPO connectors. Each cable has a Male or Female MTP/MPO connector on each end. With highly integrated design and manufacturing capability, Gigalight provides customized MTP/MPO Patchcord Cables which are 100% tested to deliver optimal performance and reliability.

### Ordering Information

GMP-	x-	x-	xx-	x-	xxx-	xx-	xxx/xxx-	xxx/xxx-	xxx
1	2	3	4	5	6	7	8	9	10
<p>The Meanings of Part Number:</p> <ol style="list-style-type: none"> <li><u>Product Name</u>: GMP=GIGAC™ MTP/MPO Patchcord Cables.</li> <li><u>Polarity</u>: A=Type-A (Straight), B=Type-B (Cross), C=Type-C (Pair Flip), R=Type-R (Corning Type).</li> <li><u>Insertion Loss (IL) Type</u>: 0=Standard, 1=Elite / Low Loss.</li> <li><u>Fiber Count</u>: 08=8, 12=12, 24=24, 48=48.</li> <li><u>MTP/MPO Connector Type</u>: M=Male, F=Female, H=Hybrid (Male to Female).</li> <li><u>Fiber Type</u>: SM1=G652D, SM2=G657A1, SM3=G657A2, MM1=OM1, MM2=OM2, MM3=OM3, MM4=OM4.</li> <li><u>Cable Jacket Type</u>: OR=Riser (OFNR), LS=LSZH, OP=Plenum (OFNP), NA=No Jacket.</li> <li><u>A-end Connector</u>: MTP/APC=MTP/APC, MTP/PC=MTP/PC, MPO/APC=MPO/APC, MPO/PC=MPO/PC.</li> <li><u>B-end Connector</u>: MTP/APC=MTP/APC, MTP/PC=MTP/PC, MPO/APC=MPO/APC, MPO/PC=MPO/PC.</li> <li><u>Cable Length</u>: 001=1-Meter, 002=2-Meter, ..., 999=999-Meter.</li> </ol>									
<p>Example of the Part Number: GMP-A-1-12-M-MM4-LS-MTP/APC-MTP/APC-010</p>									

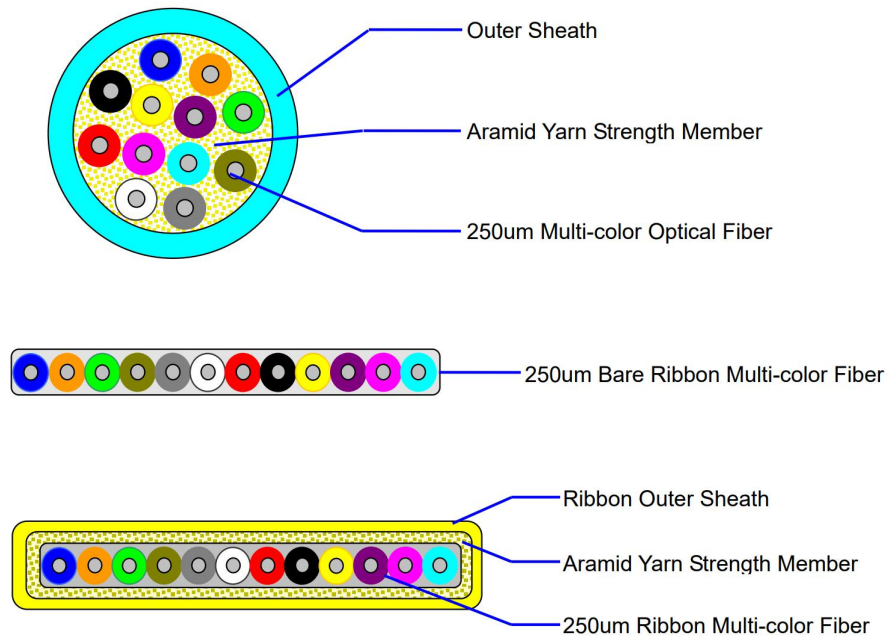
### MTP/MPO Termination

Type		Single-Mode (APC Polish)	Single-Mode (PC Polish)	Multi-Mode (PC Polish)
Insertion Loss	Standard	≤0.70dB, 0.5dB Typical	≤0.70dB, 0.5dB Typical	≤0.50dB, 0.35dB Typical
	Elite / Low	≤0.35dB, 0.25dB Typical	≤0.35dB, 0.25dB Typical	≤0.35dB, 0.20dB Typical
Return Loss		≥55dB	≥45dB	≥20dB
Durability		≥200 times		
Test Wavelength		1310nm/1550nm		850nm/1300nm

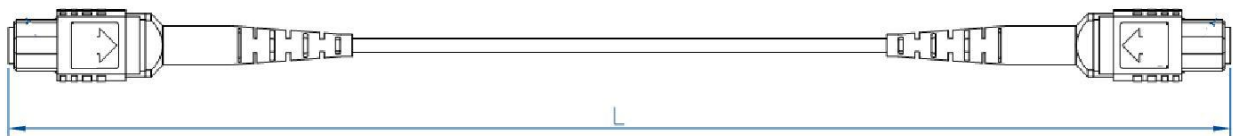
#### Notes:

- 48F MPO/MTP Multi-mode IL ≤1.0 dB, RL ≥20 dB
- Test with Straight Polarity (Type-A). Cross Polarity (Type B) or Pair Flip polarity (Type C) is available.

## Cable Structure



## Assembly Drawing



Length	Tolerance
$0 \leq L < 1M$	+50/-0 mm
$1M \leq L < 10M$	+100/-0 mm
$10M \leq L$	+1% L/-0

### Notes:

Above performance and structure refer to Gigalight standard grade performance, flexible specification is available to fit for different installation needs.