

# MPO/MTP Patch Cables

## 8/12/24/48 Fibers, SM/MM

### Description

GROWSFIBER'S MPO patch cables are multi-fiber cables using the MPO/MTP connectors. Each cable has a Male or Female MPO/MTP connector on each end. With highly integrated design and manufacturing capability, these cables are 100% tested to deliver optimal performance and reliability.

### Features

- MPO/MTP polarity: Type-A, Type-B, Type-C, Type-R
- Insertion loss type: Standard, Elite / Low Loss
- Fiber count: 8, 12, 24, 48
- MPO/MTP type: Male, Female, Male to Female
- Fiber type: SM (G652D, G657A1, G657A2), MM (OM1, OM2, OM3, OM4)
- Cable jacket type: OFNR, LSZH, OFNP
- Multi-fiber connector type: MPO/MTP (APC or PC)
- Cable length: 1m to 50m or customized
- Cable type: 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

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### Ordering Information

GFMP	x	x	x	x	x	x	x	x	x(x)
1	2	3	4	5	6	7	8	9	10

**Part Number:**

1. GFMP=GROWSFIBER MPO/MTP Patch Cable
2. Polarity: A=Type-A (Straight), B=Type-B (Cross), C=Type-C (Pair Flip), R=Type-R (Corning Type)
3. Insertion Loss (IL) Type: S=Standard, L=Elite / Low Loss
4. Fiber Count: 1=8, 2=12, 3=24, 4=48
5. Connector Type: M=Male/Male, F=Female/Female, H=Hybrid (Male/Female)
6. Fiber Type: 1=G652D, 2=G657A1, 3=G657A2, 4=OM1, 5=OM2, 6=OM3, 7=OM4
7. Cable Jacket Type: R=Riser (OFNR), L=LSZH, P=Plenum (OFNP), N=No Jacket
8. A-end Connector: A=MTP/APC, B=MTP/PC, C=MPO/APC, D=MPO/PC
9. B-end Connector: A=MTP/APC, B=MTP/PC, C=MPO/APC, D=MPO/PC
10. Cable Length: 1=1m, 2=2m, ..., 50=50m

**Example: GFMPRL2F7LBB3**

GROWSFIBER MPO Patch Cable

Type-R Polarity

Low Insertion Loss

12 Fibers

Female/Female

OM4 MMF

LSZH Cable Jacket

MTP/PC to MTP/PC

3m Cable Length

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### MPO/MTP 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

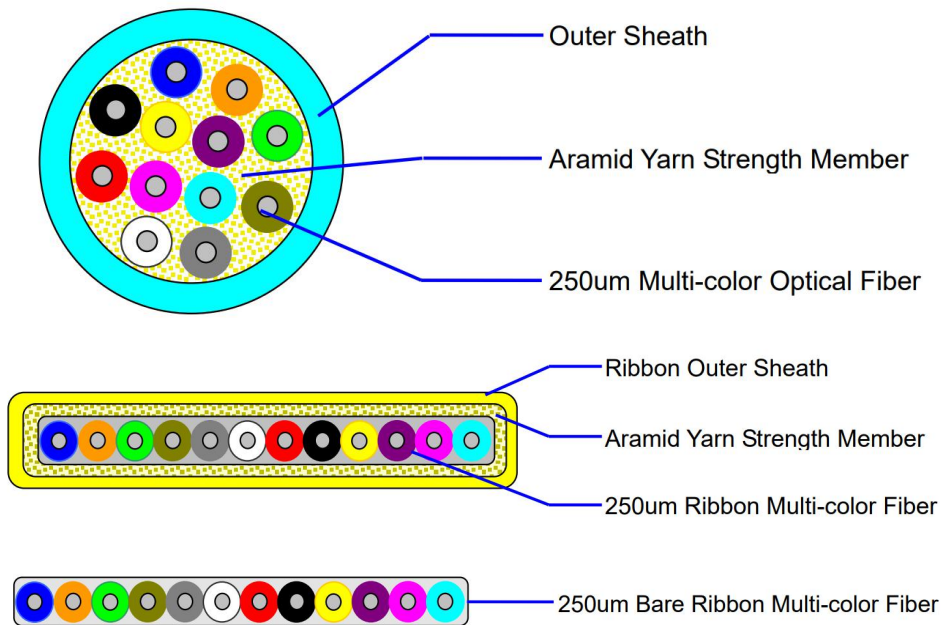
**Notes:**

1. 48F MPO/MTP Multimode IL ≤1.0 dB, RL ≥20 dB
2. Test with Straight Polarity (Type-A). Cross Polarity (Type B) or Pair Flip polarity (Type C) is available.

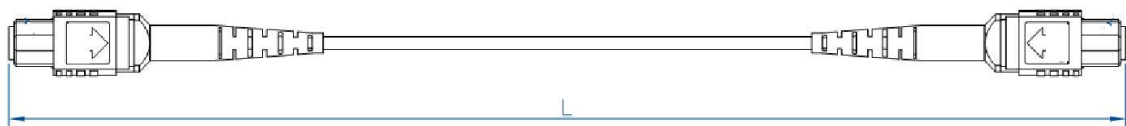
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### Cable Structure



### 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 GROWSFIBER standard grade performance, flexible specification is available to fit for different installation needs.