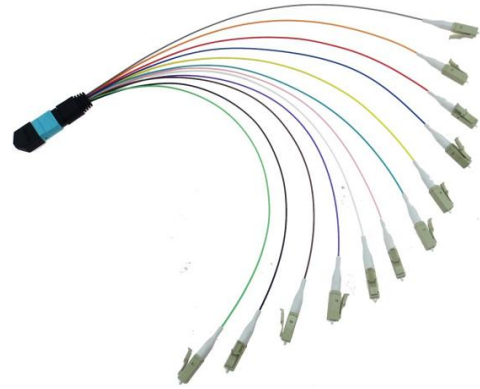


GigaC™ MPO / MTP Hydra Cable

1. Overview

The Gigalight's GigaC™ MPO / MTP hydra cable assemblies, is deployed inside plug and play cassette modules. This solution is a 12-colored 0.9mm cable utilizing a MPO / MTP connector on one end and generic connectors (such as LC, SC, FC, etc.) on the other end. They are available for purchase as a bundle with Gigalight's GigaC™ cassette modules, MPO / MTP Adapter Plates, and other solutions. Available in 8/12/24 fibers versions as well as Multi-mode (Standard 50/125, 62.5/125) and Single-mode fiber types.



2. Features

- ◆ MPO / MTP on one end, with single-fiber connectors on another end.
- ◆ MPO / MTP in 8/12/24 fibers interface for choices.
- ◆ Single-fiber connector interface available in LC, SC, FC, E2000, etc.
- ◆ 12-colored 0.9mm loose tube according to TIA-568C to cater for easy fiber loading.
- ◆ Comply with Telcordia GR-1435-CORE, GR-326-CORE, RoHS.

3. Applications

- ◆ For installing inside plug and play fiber cassette module.
- ◆ High Density Fiber Management.
- ◆ Telecommunications networks and CATV networks.
- ◆ DACS.
- ◆ LAN/WAN Premises



4. Performance

➤ MPO / MTP Termination:

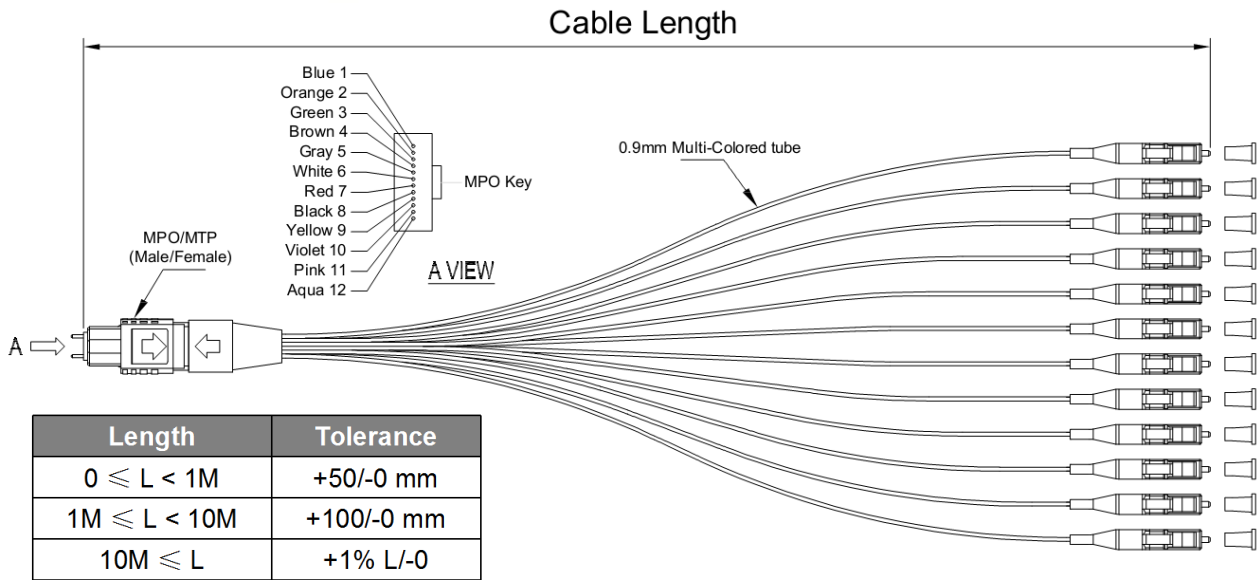
Type	Single-mode (APC polish)		Single-mode (PC polish)		Multi-mode (PC polish)	
Fiber count	4,8,12, 24 , etc.		4,8,12, 24, etc.		4,8,12, 24, etc.	
Fiber type	G652D,G657A1, etc.		G652D,G657A1, etc.		62.5/125,OM2,OM3,OM4, etc.	
Maximum Insertion Loss	Elite / Low Loss	Standard	Elite / Low Loss	Standard	Elite / Low Loss	Standard
	≤0.35 dB 0.25 dB Typical	≤0.70 dB 0.5 dB Typical	≤0.35 dB 0.25 dB Typical	≤0.70 dB 0.5 dB Typical	≤0.35 dB 0.2 dB Typical	≤0.5 dB 0.35 dB Typical
Return Loss	≥55 dB		≥45 dB		≥20 dB	
Durability	≥200 times		≥200 times		≥200 times	
Test Wavelength	1310nm / 1550nm		1310nm / 1550nm		850nm / 1300nm	

➤ Generic Connector Termination:

Type	Single-mode (APC polish)		Single-mode (UPC polish)		Multi-mode (UPC polish)	
Fiber type	G652D,G657A1, etc.		G652D,G657A1, etc.		62.5/125,OM2,OM3,OM4, etc.	
Maximum Insertion Loss	Low Loss	Standard	Low Loss	Standard	Low Loss	Standard
	≤0.1 dB 0.05 dB Typical	≤0.30 dB 0.25 dB Typical	≤0.1 dB 0.05 dB Typical	≤0.30 dB 0.25 dB Typical	≤0.1 dB 0.05 dB Typical	≤0.30 dB 0.25 dB Typical
Return Loss	≥60 dB		≥50 dB		≥25 dB	
Durability	≥500 times		≥500 times		≥500 times	
Test Wavelength	1310nm / 1550nm		1310nm / 1550nm		850nm / 1300nm	

Notes: All MPO/MTP cable assemblies in this document are having Straight Polarity (Type A). Cross Polarity (Type B) or Pair Flip polarity (Type C) is available.

5. Assembly drawing



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

6. Ordering information

[1] [2] [3] [4] [5] [6] [7]
GMH - X-XX-X - XXX - XX - XXX/XXX - XXX/XXX XXX

(1) TYPE: GigaC™ MPO/MTP Hydra

(2) INSERTION LOSS TYPE: 0=Standard , 1=Elite / Low Loss

FIBER COUNT: 04=4-fiber, 08=8-fiber, 12=12-fiber, 24=24-fiber, etc.

MTP/MPO CONNECTOR TYPE: M=Male (with pins), F=Female (no pins)

(3) FIBER TYPE: SM1=G652D, SM2=G657A1, SM3=G657A2,

MM1=OM1(62.5/125), MM2=OM2(50/125), MM3=OM3(50/125), MM4=OM4(50/125),

(4) CABLE JACKET TYPE: HY=Hytrel, OR=Riser(OFR), LS=LSZH, OP=Plenum(OFP),

NA=No jacket

(5) A-END CONNECTOR: MTP/APC=MTP APC Polishing, MTP/PC=MTP PC Polishing,

MPO/APC=MPO APC Polishing, MPO/PC=MPO PC Polishing

(6) B-END CONNECTOR: LC/APC, LC/UPC, SC/APC, SC/UPC, FC/APC, FC/UPC, etc.

(7) OVERALL CABEL LENGTH: XXX=001~999m

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