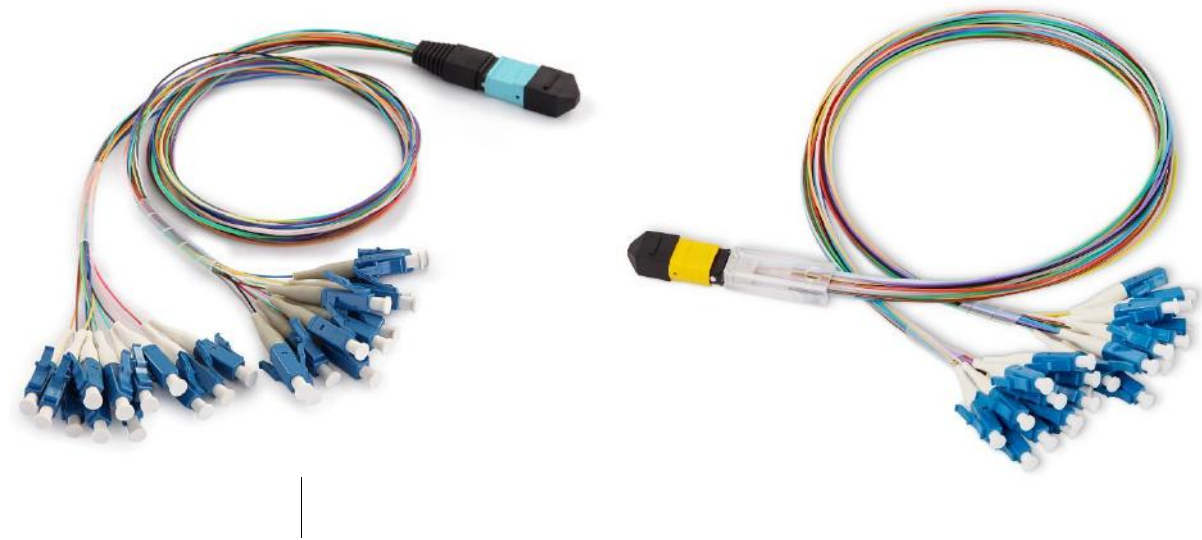


MTP/MPO Hydra Cable



MPO/MTP Hydra cable assemblies are deployed inside plug and play cassette modules. It is used for multi-fiber to single-fiber splitting out interconnects. This solution is a 12-colored 0.9mm cable utilizing 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 plug and play modules, MPO/MTP Adapter Plates, and other solutions. It is fully configurable, available in 8/12/16/24 fibers versions as well as Multi-mode (Standard 50/125, 62.5/125, BI 10Gig 50/125) and Single-mode fiber types.

Applications

- Data Center Interconnect
- Backbone Installations
- Telecommunication Networks
- Broadband/CATV Networks
- LAN/WAN Premises

Features

- Low insertion loss and high return loss
- High precision connector
- PC UPC APC end face polish
- Fiber count available in 4~24
- Option for LSZH, PVC or Hytrel loose tube
- 100% factory terminated and tested
- Customized length available
- ROHS Compliant

Standards compliance

- EIA/TIA 604 series
- IEC 61754 Series
- IEC 61753-1
- GR 1435-CORE
- GR 326-CORE

General Specification

Construction		Description					
Fiber Count		8~24 Fibers					
Fiber Mode		Single mode: G652/G657 Multimode:OM1 OM2 OM3; OM4					
Fiber Brand		SMF-28® Ultra optical fiber Corning ClearCurve® multimode fiber					
Cable Jacket Material		Low Smoke Zero Halogen (LSZH) PVC Hytrel					
Cable Jacket Ratings		Riser (OFNR) Plenum (OFNP)					
Cable Jacket diameter		600µm; 900µm					
Cable Jacket Color		Blue, Orange, Green, Brown, Grey, White, Red, Black, Yellow, Purple, Pink, Aqua					
Polarity		Customized					
MPO/ MTP	Ferrule	12F, 16F, 24F					
	Connector Type	MTP, MPO					
	Connector Brand	US Conec MTP, Senko MPO, Nissin MPO, Sanwa MPO, FURUKAWA MPO					
	Connector Color	Ferrule	SM(APC)	SM(PC)	OM3	OM4	or customized
		Low loss	Yellow	Yellow	Aqua	Magenta	
		Standard	Green	Blue	Aqua	Magenta	
Boot Color		Green/Black/ or Customized					
Single-fiber connector		LC, SC, FC, etc.					
Operating Temperature		-20°C to +70°C					
Storage Temperature		-40°C to +85°C					

Technical Specification

MPO / MTP Termination

Optical Properties	Single mode		Multimode	
	Low loss	Standard	Low loss	Standard
Insertion Loss (dB)	≤0.35(Typical:≤0.25)	≤0.75(Typical:≤0.4)	≤0.35(Typical:≤0.2)	≤0.60(Typical:≤0.35)

Information and specifications are subject to change without notice.
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Return Loss (dB)	PC $\geq$ 50; APC $\geq$ 60	PC $\geq$ 20
Wavelength (nm)	1310/1550	850/1300
Durability	$\leq$ 0.2 (dB) typical change, 50 matings	

Single-fiber connector Termination

Optical Properties	Single mode	Multimode
Insertion Loss (dB)	UPC $\leq$ 0.2; APC $\leq$ 0.3	PC $\leq$ 0.2
Return Loss (dB)	PC $\geq$ 50; APC $\geq$ 60	PC $\geq$ 20
Wavelength (nm)	1310/1550	850/1300
Durability	$\leq$ 0.3(dB) typical change, 500 matings	

Transparent Fanout Kits

