

IP68 MPO ASSEMBLIES

This IP68 MPO cable assembly supports multi-fiber cable routing in virtually any extreme environments, such as FTTA, base stations, transportation and railway systems, as well as industry networks.

Sealed to IP68 with reliable bayonet locking design feature, the assembly assures excellent optical performance and support utmost protection in harsh environment.

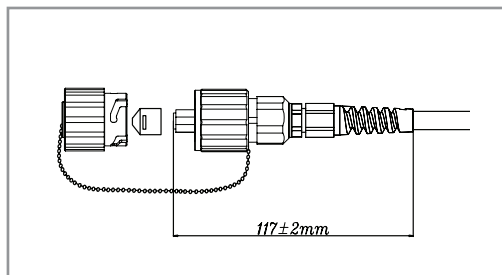
Available in standard MPO or Low Loss-MPO connector with IP68 outer housing, customer can specify cable length and fiber mode to fit for their unique needs.



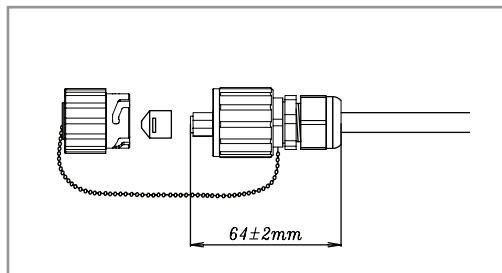
KEY FEATURES :

- Connector interface available in Standard MPO or Low Loss-MPO
- Sealed to IP68 for utmost protection
- Bayonet locking design makes ease of mating even in inconvenient locations
- Receptacle of different flange styles to fit for different installation needs
- Fiber optic connector complies to Telcordia GR-326-CORE and TIA/EIA standards
- Comprehensive assemblies solutions reduce cost of site termination while enhanced performance

ASSEMBLY WITH REGULAR BOOT



ASSEMBLY WITH SHORT BOOT



Specifications

Fiber Count Option	12-Fiber
Cable and Cable Jacket	Tactical Cable with Thermoplastic PolyUrethane Jacket
Connector Options	Standard MPO (Male or Female) Low Loss MPO (Male or Female)
Boot Options	Regular Boot (Overall length includes connector plug : 117mm) Short Boot (Overall length includes connector plug : 64mm)
Receptacle Flange Types	Hexagon Flange Square Flange
Available Fiber Modes	Singlemode (OS1/2) Multimode (OM1, OM2, OM3, OM4)
Ingress Protection	IP68
Mating Mechanism	Bayonet
Mechanical Performance	Straight Pulling Force 25Kgs
Mating Durability	500 Mating Cycles
Operating Temperature	- 40°C to + 70°C
Compliance	RoHS , Telcordia GR-326-CORE and TIA/EIA Standards

Optical Performance

Connector & Fiber Mode		Insertion Loss	Return Loss
Standard MPO	Singlemode	≤ 0.75dB (Typical - 0.25dB)	UPC ≥ 60dB
	Multimode	≤ 0.6dB (Typical - 0.20dB)	PC ≥ 20dB
Low Loss MPO	Singlemode	≤ 0.35dB	UPC ≥ 60dB
	Multimode	(Typical - 0.10dB)	PC ≥ 20dB

IP68 MPO ASSEMBLIES

STANDARD MPO ASSEMBLY

IP68 Standard MPO to MPO 12-Fiber Assembly

Fiber Mode	Part No. ^{(1), (2)}			
	MPO-Male to Male		MPO-Female to Female	
	with Regular Boot	with Short Boot	with Regular Boot	with Short Boot
OS1	IP1MMMM1S1BT-xxxM	IP1MMMM2S1BT-xxxM	IP1MFMF1S1BT-xxxM	IP1MFMF2S1BT-xxxM
OM1	IP1MMMM1M1BT-xxxM	IP1MMMM2M1BT-xxxM	IP1MFMF1M1BT-xxxM	IP1MFMF2M1BT-xxxM
OM2	IP1MMMM1M2BT-xxxM	IP1MMMM2M2BT-xxxM	IP1MFMF1M2BT-xxxM	IP1MFMF2M2BT-xxxM
OM3	IP1MMMM1M3BT-xxxM	IP1MMMM2M3BT-xxxM	IP1MFMF1M3BT-xxxM	IP1MFMF2M3BT-xxxM
OM4	IP1MMMM1M4BT-xxxM	IP1MMMM2M4BT-xxxM	IP1MFMF1M4BT-xxxM	IP1MFMF2M4BT-xxxM

[1] "xxx" refers to cable length in meter, please fill up your required length by 3 digits
 [2] Please specify if you need different boot styles in 2 ends

LOW LOSS MPO ASSEMBLY

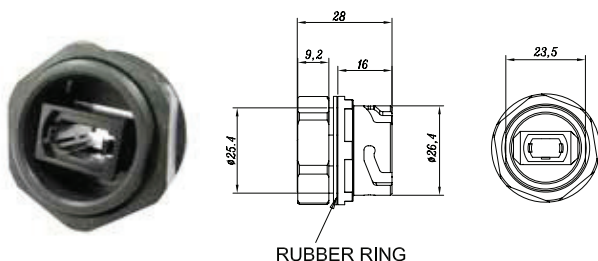
IP68 Low Loss MPO to MPO 12-Fiber Assembly

Fiber Mode	Part No. ^{(1), (2)}			
	Low Loss MPO-Male to Male		Low Loss MPO-Female to Female	
	with Regular Boot	with Short Boot	with Regular Boot	with Short Boot
OS1	IP1EMEM1S1BT-xxxM	IP1EMEM2S1BT-xxxM	IP1EFEF1S1BT-xxxM	IP1EFEF2S1BT-xxxM
OM1	IP1EMEM1M1BT-xxxM	IP1EMEM2M1BT-xxxM	IP1EFEF1M1BT-xxxM	IP1EFEF2M1BT-xxxM
OM2	IP1EMEM1M2BT-xxxM	IP1EMEM2M2BT-xxxM	IP1EFEF1M2BT-xxxM	IP1EFEF2M2BT-xxxM
OM3	IP1EMEM1M3BT-xxxM	IP1EMEM2M3BT-xxxM	IP1EFEF1M3BT-xxxM	IP1EFEF2M3BT-xxxM
OM4	IP1EMEM1M4BT-xxxM	IP1EMEM2M4BT-xxxM	IP1EFEF1M4BT-xxxM	IP1EFEF2M4BT-xxxM

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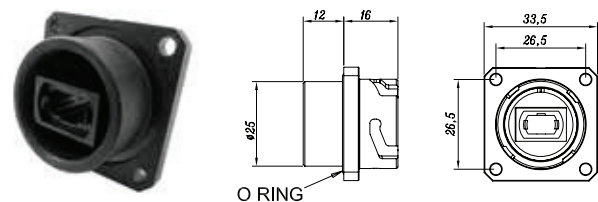
RECEPTACLE OPTIONS

IP68 Receptacle with MPO Adapter, Hexagon Flange



Part No.: IP3MA3H

IP68 Receptacle with MPO Adapter, Square Flange



Part No.: IP3MA3S