



Amphenol

FIBER OPTIC PRODUCTS

PT-MPO

CABLE ASSEMBLY





PT-MPO Cable Assembly

Amphenol harsh environment PT-MPO plug assemblies and mating receptacles leverage the proven MIL-DTL-26482 spec connector system to provide an environmental seal and mechanical protection for 4 to 24 fiber MPO style connections.

The PT-MPO receptacle accepts industry standard MPO patch cables to be used inside the enclosure, allowing simple connection to QSFP devices, or can be used with a breakout cable for discrete single fiber or SFP connections. Amphenol's PT-MPO connectors are exceptionally suited for WiMax, LTE, and other applications requiring more than 2 fibers. The PT-MPO is capable of performing in even the toughest environments.



FEATURES & BENEFITS

Threaded or bayonet mating style	Requires only 1/4 turn to mate
Blind mate and scoop proof interface	Quickly and easily mated
Bird proof and rodent resistant	Durable construction to prevent animal interference
IP67 water and dust protection	Optimal performance in harsh environments
Available with singlemode or multimode fiber	Various fiber types to meet applications
200 minimum mating cycles	Long-life mating mechanism
Operating temperature: -40° to 85°C	Optimal performance in harsh environments
RoHS compliant	Meets industry standards
100 lb. strain relief	Secure coupling prevents accidental demating
Positive latching system (audible and visual)	Assurance when latched
Metal Housing	Provides improved EMI protection



Inline Receptacle

Parameter

Specification

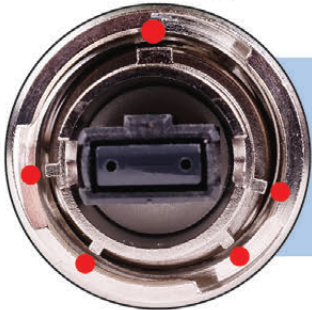
Mechanical	Mating Endurance	IEC 61300-2-2
	Vibration	IEC 61300-2-1
	Shocks	IEC 61300-2-9
Environmental	Salt Mist	IEC 61300-2-26
	Temperature	IEC 61300-2-22
	Ingress Protection	IEC 60529

1. Receptacle
2. MPO Ferrule Shield
3. PT-MPO Dust Cap
4. MPO Ferrule Dust Cap
5. Bayonet-style Mating
6. 8, 12, and 24 Fiber

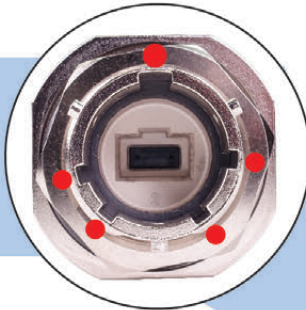


QUICK & SECURE MATING

Alignment Keys



PT-MPO Plug



Receptacle



Receptacle



1
Twist and remove
PT-MPO dust cap



2
Carefully remove MPO
dust cap

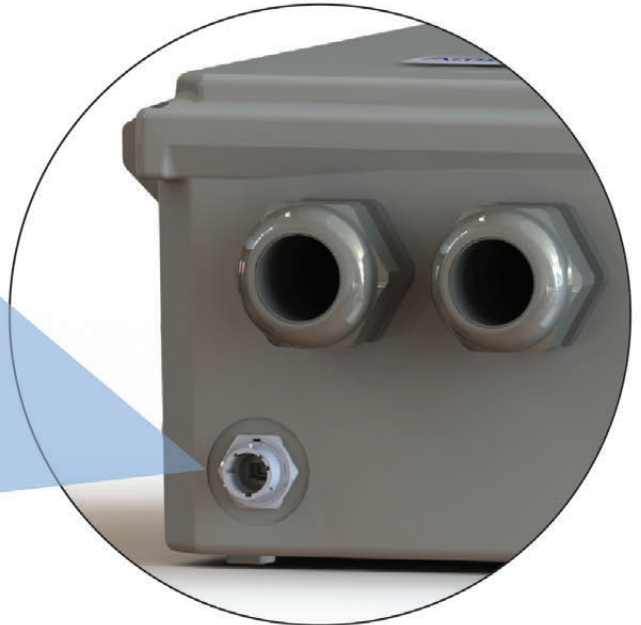
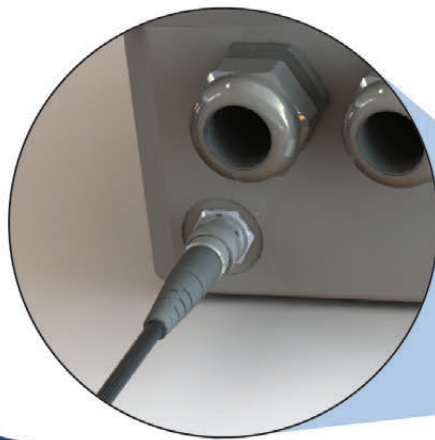


3
Align PT-MPO to receptacle
using alignment keys



4
Twist coupling sleeve 1/4
turn until audible "click"

Ideally suited to serve as a multi-fiber
input for distribution boxes



Industry Compliance

Connectors are mechanically and optically intermateable with industry standard connectors and adapters and conform to TIA/EIA, IEC, and Telcordia specifications

RoHS compliant

Applications

FTTx

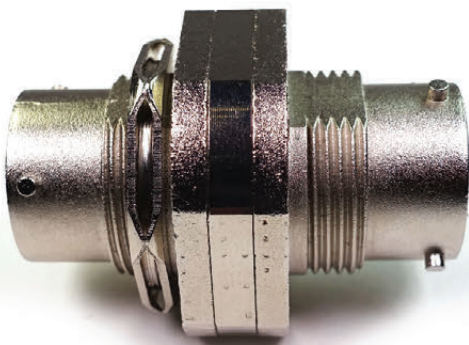
Small Cells

Harsh Environment

Wireless

INLINE ADAPTER

Simplifies plug to plug mating



Ordering Information

Part Number	Item Description
942-98281-10001	JUMPER, PT/MPO TO 2F AARC RECEPTACLE, 4F FLAT RIBBON
943-99013	JUMPER, PT/MPO(F), 12F OSP, ARMORED 50/125
943-99379	JUMPER, PT/MPO, 62.5/125, 4F FLAT RIBBON-OUTDOOR