



**Amphenol**  
FIBER OPTIC PRODUCTS

**M-CONNECTOR**

Multifiber Assembly

# SMALL FOOTPRINT MULTIFIBER ASSEMBLY



# M-CONNECTOR

## Multifiber Assembly

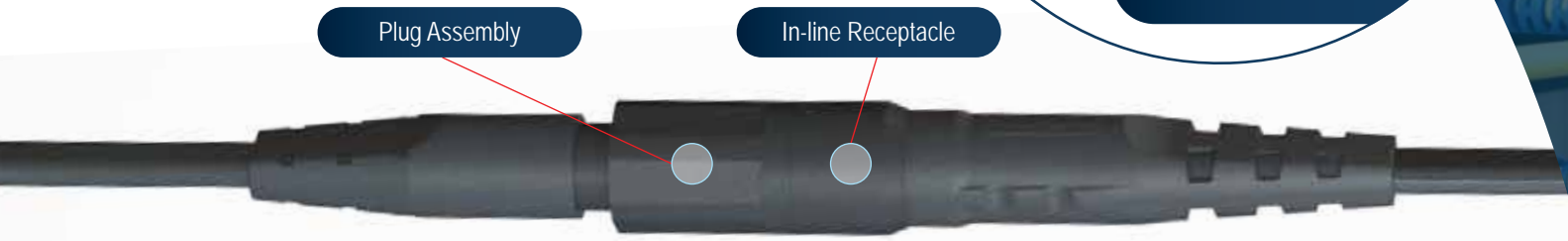
Amphenol's M-Connector assemblies provide a robust and sealed connection solution for distribution in fiber to the home (FTTH) connectivity.

The M-Connector end incorporates an MPO type connection within a slim, sealed, threaded polymer housing allowing easy connection to either the AMT or in-line extension receptacle.

Available with flat drop or traditional round style OSP cables, the M-Connector provides an ideal solution for direct burial, conduit or aerial installations.



M-Connector Plug



Plug Assembly

In-line Receptacle

### Specifications

Ingress Protection (Mated)	IP68 (3 Meters/ 7 Days)
Mating Durability	200 cycles
Pull Force Retention	100lbs (445N)
Material	UV stable per GR-3120
Salt Mist	IEC 61300-2-26
Vibration	IEC 61300-2-1
Shock	IEC 61300-2-9
Operating Temperature	-40°C to +75°C*
Housing Material	Polymer

\*Temperature Specs of Connector

### Features and Benefits

Factory terminated
Multifiber, MPO-based connector
Optional bird proof and rodent resistant
Low profile in-line receptacle available
No installation tools required
Push-twist or threaded coupling style

### Optical Performance

Insertion Loss	Singlemode	≤ 0.35dB Low-loss	≤ 0.75dB Typical APC
	Multimode	≤ 0.35dB Low-loss	≤ 0.50dB Typical
Return Loss	Singlemode	≤ 0.55dB UPC	



In-line Receptacle

Adapter



In-line Receptacle



Plug

# Threaded Coupling\*

Align Key on Plug and In-line Receptacle

Rotate Housing to Thread

...and Thread Until Tight



\*Push-Twist Coupling Available