



# H-CONNECTOR

## Single Fiber HFOC Assembly

Hardened Fiber Optic Connector



Amphenol's **H-Connector** assemblies provide a robust and sealed connection for outdoor fiber to the home (FTTH) connectivity.

The H-Connector incorporates an SC/APC type connection within a slim, sealed, threaded polymer housing allowing an easy and reliable outdoor connection.

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



## Key Highlights



**IP68 Ingress Protection**



**UV Stable Materials**



**Reliable factory grade terminations**



**Quick Connections Without Tools**



## Features and Benefits

- Factory terminated assemblies ensure high quality polish for reliable performance
- UV stable materials provide a long service life in direct sunlight areas
- Fully water sealed connections guarantee performance in harsh outdoor environments
- Low profile in-line receptacle assemblies allow pluggable extensions to splice closures
- Threaded couplings require no tools for fast and secure connections



## Specifications

Ingress Protection (Mated)	IP68 (3 Meters/ 7 Days)
Mating Durability	500 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

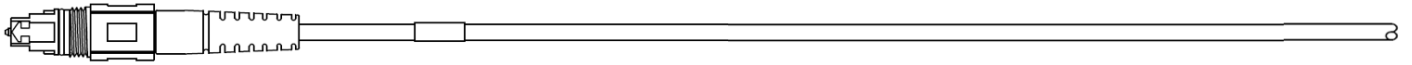


## Optical Performance

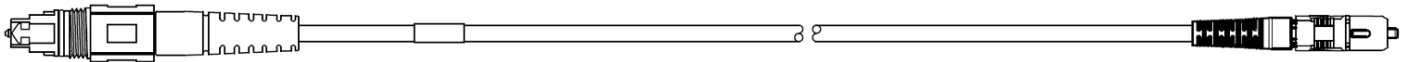
Insertion Loss	Singlemode	$\leq 0.5\text{dB Max } (\leq 0.23\text{dB Typical})$ per end
Return Loss	Singlemode	$\geq 65\text{dB}$



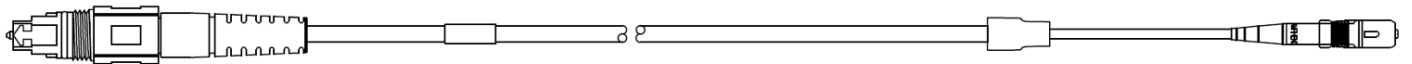
H-Connector Plug Pigtail



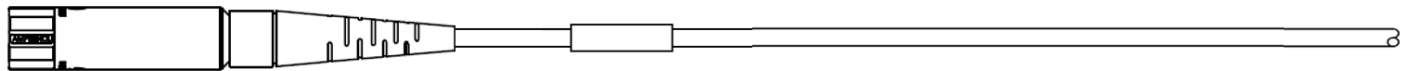
H-Connector Plug to Round SC Direct Connect Jumper



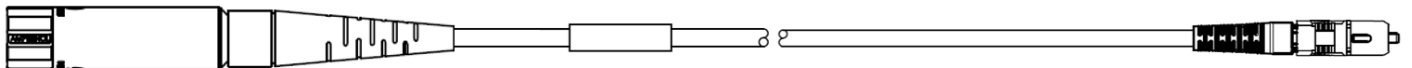
H-Connector Plug to SC 2mm Breakout Jumper



H-Connector In-Line Receptacle Pigtail



H-Connector In-Line Receptacle to Round SC Direct Connect Jumper



H-Connector In-Line Receptacle to SC 2mm Breakout Jumper

