

The Amphenol Home Optic (H-Connector) is a single fiber FTTH (Fiber to the Home) interconnect assembly designed to be used in direct burial or aerial connection to the NID (Network Interface Device). This compact threaded polymer housing connector provides an IP-68 water and dust seal and is assembled using either flat drop style cables or round OSP cable.

Home Optic assemblies are designed for single fiber connectivity deployed in outdoor environments. Assemblies are manufactured to provide either a PC endface for Multimode, UPC (Ultra polished) or APC (Angle polished) endface for Singlemode applications.

Home Optic (H-Connector) bulkhead receptacles are also available which provide connectivity from the outdoor sealed Home Optic assemblies through an equipment or enclosure wall using a jam nut style mounting to a standard SC/PC, SC/UPC or SC/APC jumper or pigtail.

Home Optic assemblies mate to equipment or enclosures that are pre-fitted with either Home Optic receptacles or other compatible receptacles commonly used for FTTH applications.

H-Connector FTTH drop fits into the OptiTap®.



Bulkhead Receptacle

## Specifications:

Parameter	Specification
Pull Force: 150N (33 Pounds)	IEC 61300-2-4
Vibration	IEC 61300-2-1
Salt Mist	IEC 61300-2-26
Impact	IEC 61300-2-12
Temperature	IEC 61300-2-22
Humidity	IEC 61300-2-22



H-Connector

## Applications:

- FTTH Applications
- Outdoor Industrial Systems

OptiTap® is a registered trademark of Corning Optical Communications LLC

Features & Benefits:

Feature	Benefits
IP-68 Water and dust protection	Provides superior weather resistance for FTTH and other outdoor applications
Factory or field installation	Allows flexibility to use factory terminated and tested assemblies or retrofit to pre-terminated or field installed assemblies.
-40°C to +85°C Operating Temperature	Suitable for FTTH and other outdoor temperature extremes
150 N (33 lbs) Cable Retention	Ensures functionality in ice loading situations
Accepts 4.8mm to 7.0mm Cable Diameters	Can be used with industry standard cable designs
Pass-thru design	Can be used with many common connector styles including Optical SC and LC, Cat 5, 5e, 6, 7, Power and others
No tool installation	Easily installs without special tooling
Bayonet style interface	One handed mating, no torque requirements for proper sealing
100 minimum mating cycles	Allows multiple mating to accommodate installation or re-configuration
Flexible cable exit boot	Provides bend protection for installation and long term use

The <b>H Connector dust cap</b> was designed to be used as a pulling eye:	Axial Pull Force for Plug to Cable through the Dust Cap = <b>100 lb</b>
The <b>H-Connector receptacle</b> :	Axial Pull Force for Plug to Adapter receptacle = <b>50 lb</b>



H-Connector In-Line Receptacle & Plug

ABS Part Number	Description
C4419-610-MT-995	PIGTAIL, H-CONNECTOR 2000FT TONABLE S/M BLACK
942-98722-F1000	PIGTAIL, H-CONNECTOR 1000FT TONEABLE S/M, BLACK
942-98722-F0750	PIGTAIL, H-CONNECTOR 750FT TONEABLE S/M, BLACK
942-98722-F0500	PIGTAIL, H-CONNECTOR 500FT TONEABLE S/M, BLACK
942-98722-F0400	PIGTAIL, H-CONNECTOR 400FT TONEABLE S/M, BLACK
942-98722-F0300	PIGTAIL, H-CONNECTOR 300FT TONEABLE S/M, BLACK
942-98722-F0250	PIGTAIL, H-CONNECTOR 250FT TONEABLE S/M, BLACK
942-98722-F0200	PIGTAIL, H-CONNECTOR 200FT TONEABLE S/M, BLACK
942-98722-F0150	PIGTAIL, H-CONNECTOR 150FT TONEABLE S/M, BLACK
942-98722-F0100	PIGTAIL, H-CONNECTOR 100FT TONEABLE S/M, BLACK
942-98722-F0050	PIGTAIL, H-CONNECTOR 50FT TONEABLE S/M, BLACK
958-6001	ADAPTER, H-CONNECTOR OPTITAP COMPATIBLE