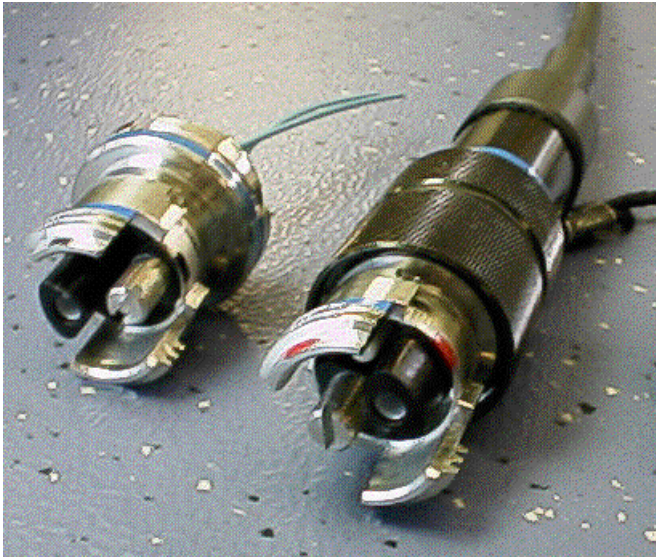


## Hermaphroditic Connector with fiber to fiber alignment

MAIN CHARACTERISTICS



This product offers high performance optical multichannel connections in a dense and lightweight design. It allows daisy chains between multiple pieces of equipment indoors or outdoors.

The threaded antidelocking coupling nut makes this hermaphroditic connector very resistant to vibration and shock.

### Technical description

- Small size (o.d. 22mm) butt coupled connector
- Hermaphroditic interface
- 2 and 4 channel products are intermatable
- 2 and 4 channel Plugs, Pigtails and Harnesses
- 2 and 4 channel jam nut receptacles with 0,9mm or 1,6mm pigtails and compact rear allowing for high electronic density inside the panel
- Threaded coupling nut with antidelocking system
- Front insulator removable for termini cleaning
- Typical Insertion Loss : 0.5 dB @ 1300 nm multimode  
0.5 dB @ 1300 nm singlemode
- Typical return loss : - 30 dB @ 1300 nm singlemode  
- 55 dB possible with APC termini
- Durability : 500 mating/unmating cycles
- Operating Temperature : -40°C, +85°C
- Water resistant
- Termination HCFF tool kits available
- FTOS harness maintenance tool kits available
- HCFF is interchangeable with the lens connector HCL
- Tactical drums and accessories available

The Amphenol HCFF butt coupled fiber optic connector is a hermaphroditic miniature connector for indoor and external systems.

The front of the HCFF connector can easily be removed with a single screw driver to access the optical ceramic ferrules and clean them.

### Applications

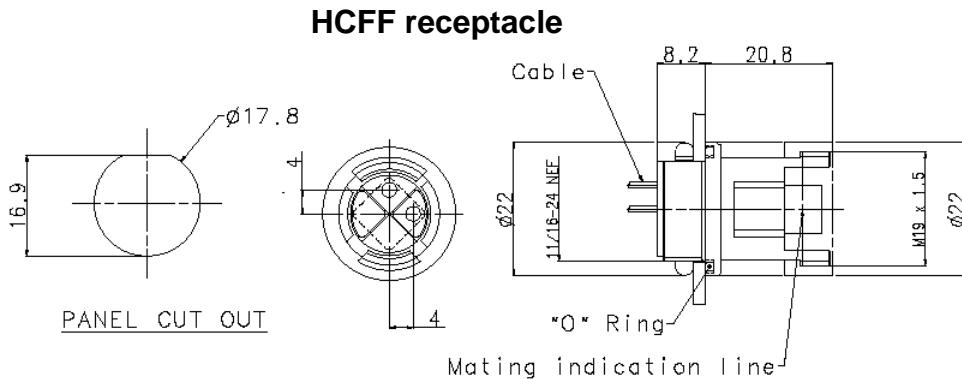
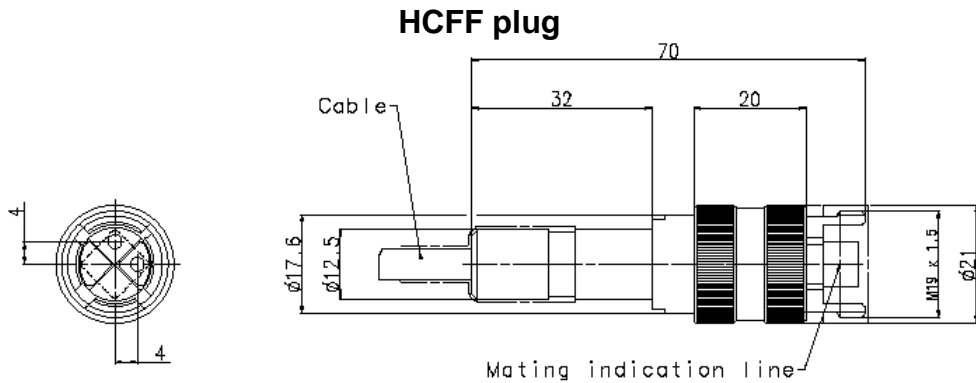
- Army, Navy and Airforce optical networks
- Light transmission links
- Shelter equipment
- Base Stations
- Industrial machine networks
- CATV networks

**Amphenol**

# HCFF

# 974 Series

## Line Drawings (dimensions in mm)



## How to order :

**HCFF - XX - X - XX - XX - XX - XXX**

**HCFF : 974 series**

- 2 channels front jam nut receptacle : R2
- 4 channels front jam nut receptacle : R4
- 2 channel plug : P2
- 4 channel plug : P4

**Ceramic ferrule PC : 1**

**Straight backshell : 00**

**PPC: Plug protective cap  
RPC: Receptacle protective cap**

**All cables are tight jacket.**

**09 : 0,9 mm buffered fiber (\*)**

**16 : O.D. 1.6 mm (\*)**

**55 : O.D. tactical 5,5 mm**

**(\*) receptacle only**

**Other cables possible.**

**01 : 50/125  $\mu$ m**

**02 : 62.5/125  $\mu$ m**

**05 : 9/125  $\mu$ m**

**Amphenol**