# PASSIVE OPTICAL PRODUCTS







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Stratos
Connectivity Solutions

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# **Harsh Environments**

# **Expanded Beam Connectors and Assemblies**

### **HMA and HxMA**



#### **Features**

- 2 and 4 channels, multimode or singlemode
- Rugged hermaphroditic construction
- Compatible with MIL-DTL-83526/20A/21A and mixedmode variants
- Optical performance MM: IL < 1.0dB, 0.8dB Typ SM: IL < 1.5dB, 1.0dB Typ; RL > 40dB
- Nickel aluminum bronze for marine environments
- Cable assemblies with bulkhead and plug

#### **HMC**

#### **Features**

- Miniature housing 21mm diameter
- 4 channel, multimode or singlemode
- · Rugged hermaphroditic construction
- Optical performance MM: IL < 1.5dB SM: IL < 2.0dB
- Cable assemblies with bulkhead and plug



# **Expanded Beam ST**



#### **Features**

- Available with standard and MIL-C-83522 connector bodies
- Multimode and singlemode
- Optical performance MM: IL < 1.0dB, 0.8dB Typ

SM: IL < 1.5dB, 1.2dB Typ; RL > 30dB

• Simplex multimode and singlemode cable assemblies

#### **CUSTOM EXPANDED BEAM**

#### **Features**

- 2 channels, multimode
- Optical performance MM: IL < 1.2dB
- Rugged hermaphroditic construction
- No insert alignment pin and receiving hole
- Single optical window, easy to clean in the field
- Nickel aluminum bronze (NAB) for marine environments
- Cable assemblies with bulkhead and plug connectors



#### **S900**



#### **Features**

- 2 and 4 channels, multimode or singlemode
- Optical performance MM: IL < 1.2dB

SM: IL < 2.0dB; RL > 40dB

- Rugged hermaphroditic construction
- Nickel aluminum bronze for marine environments
- Cable assemblies with bulkhead and plug

**Stratos**Connectivity Solutions

# **Harsh Environments**

# **Expanded Beam Connectors and Assemblies**

#### **S960**

#### **Features**

- 2, 4, 8 and 12 channels, multimode
- Optical performance MM: 2, 4, and 8 channel IL < 1.5dB, 12 channel IL < 2.0dB
- Rugged hermaphroditic construction
- Cable assemblies with bulkhead and plug



#### Hx1080



#### **Features**

- SMPTE compatible 2 optical and 2 electrical
- Rugged hermaphroditic construction
- Field serviceable easy to clean
- Optical performance SM: IL < 1.5dB; RL > 40dB
- Cable assemblies with bulkhead and plug

#### **HTC**

#### **Features**

- 1 to 4 channels, multimode
- MIL-C-38999 Series III shell size 13 with shell 11 option
- Backshell options: straight, 90°, 130°
- Optical performance MM: IL < 1.0dB
- · Cable assemblies with bulkhead and plug

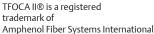


#### **Harsh Environment Accessories**

# **Bullet Adapters**

• Eliminates hybrid jumper cables

- HMA to TFOCA
- HMA to TFOCA-II®
- TFOCA to ST, SC, LC, FC
- HMA to ST, SC, LC, FC





# Loopback

- Facilitates burn-in and system testing
- Singlemode and multimode
- 2 and 4 channel
- Rugged hermaphroditic construction



### **Cable Reel**



- Military, Industrial and AV reels
- Various sizes to accommodate a specified length

# **Ruggedized In-Line Splice**



- 2 and 4 channels, multimode and singlemode
- LC connector polish configuration
- Field termination in 30 minutes



## **Connectivity Solutions**

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### **About Emerson Network Power Connectivity Solutions**

Emerson Network Power Connectivity Solutions, an Emerson business, serves the needs of wireless communications, military, telephony and data networks, CATV security systems, health care and industrial facilities with a full spectrum of RF/microwave and fiber optic connectivity products. For more information, visit

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