

PASSIVE OPTICAL PRODUCTS



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

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



TFOCA II® is a registered trademark of Amphenol Fiber Systems International

Cable Reel

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



Loopback

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



Ruggedized In-Line Splice

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





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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 www.EmersonConnectivity.com

About Emerson

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