

DeepSight®



Amphenol Fiber Systems International (AFSI) manufactures a complete line of next generation fiber optic connectors designed to meet the needs of harsh environment applications.

In response to the growing need for fiber optic monitoring systems in oil wells, Amphenol Fiber Systems International (AFSI) has developed the DeepSight® fiber optic connector for use in down-hole applications. DeepSight® has the ability to withstand the high pressure, temperatures and corrosive fluids found in down-hole environments. These connectors are precision-machined to stringent tolerances and designed to provide superior optical performance in extreme conditions. Custom version available as required by the application.

Features & Benefits :

- High pressure - 25,000 PSI
- High temperature - 175°C
- Low loss - 0.3 dB typical
- C-Seal pressure barrier
- O-ring sealed termini
- Single mode or multimode
- Downhole compatible materials
- Easy field installation

Optional Features for 4-Channel:

- Rotating inserts for easy installation
- Pressure test port to verify pressure seal before insertion
- APC & UPC termini - low back reflection
- Captivated alignment sleeves

Applications:

- Tactical Military Ground Systems
- Oil & Gas Seismic Systems
- Broadcast Systems
- Rail & Mass Transit

Materials for 4-Channel:

- Inconel 718 Body
- BeCu or Inconel 718 Coupling Nut

Dimensions (Outside Diameter):

- Single Channel: 0.24"
- Single Channel with Test Port: 0.42"
- 4-Channel with Test Port: 0.9"

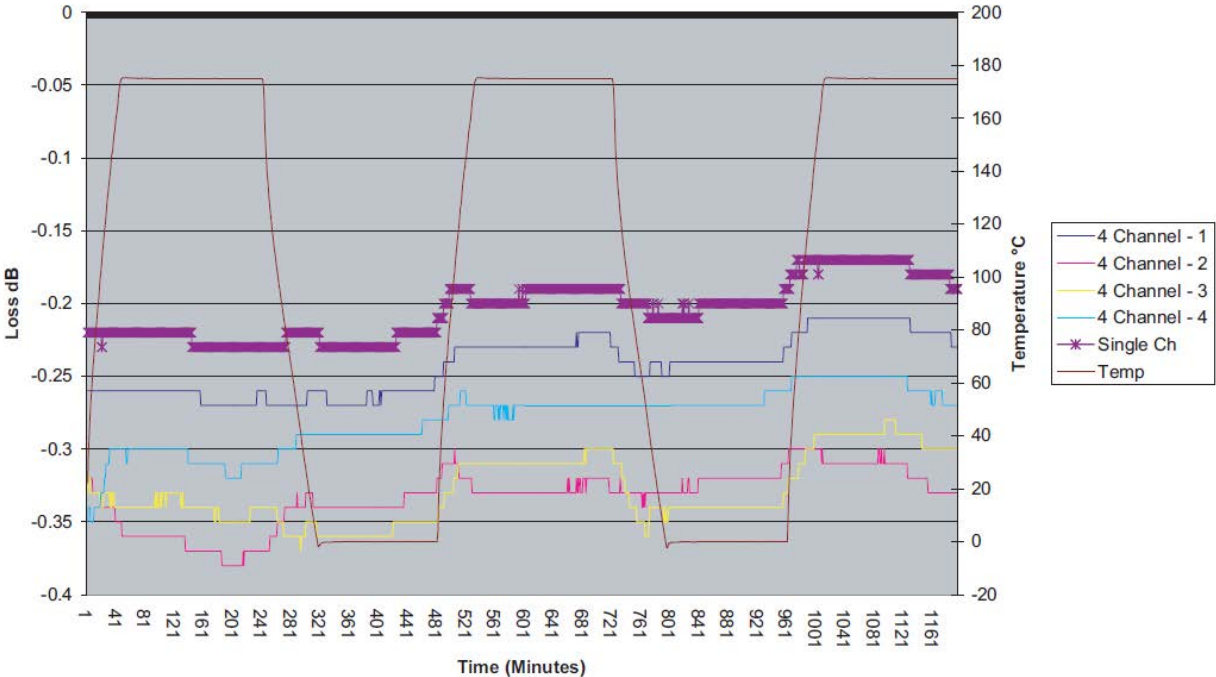
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Amphenol Fiber Systems International (AFSI), a division of Amphenol Military & Aerospace Operations (AMAO), is the largest manufacturer of harsh environment fiber optic cable assemblies & connectors in the world. Visit AMAO at amphenolmao.com.

DeepSight®

Insertion Loss vs Temperature
4 Channel and Single Channel DHDM
with Single Mode Fiber



How to Order :

For more information on how to order or to obtain a price quote on any of our TFOCA-II® EX products, please call us at 800-472-4225. For international calls please dial 214-547-2400 or e-mail us at info@fibersystems.com.

About Amphenol Fiber Systems International :

Amphenol Fiber Systems International (AFSI) designs, manufactures, markets and supports reliable and innovative fiber optic interconnect solutions that withstand the harsh environments of military, oil & gas, mining and broadcast applications. After more than two decades in business, AFSI continues to uphold its position as a global leader in fiber optic interconnect components and systems such as termini, M28876, MIL-ST, TFOCA and the TFOCA-II® connector, which AFSI developed and patented.

AFSI has delivered millions of fiber optic connectors in more than 34 countries. Whenever there is a need for superior, cost-effective fiber optic systems and products that will stand up to demanding operating environments, you can rely on AFSI for engineering know-how, top-quality products and expert technical support.

Visit www.amphenol-fsi.com for more information.



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