



DeepSight® 4-Channel Closed

About DeepSight® Connectors

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.



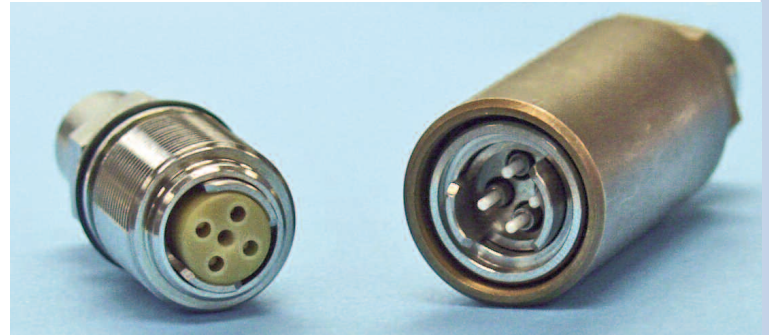
DeepSight® Single Channel

DeepSight® Features for Single and 4-Channel

- 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



DeepSight® 4-Channel Open

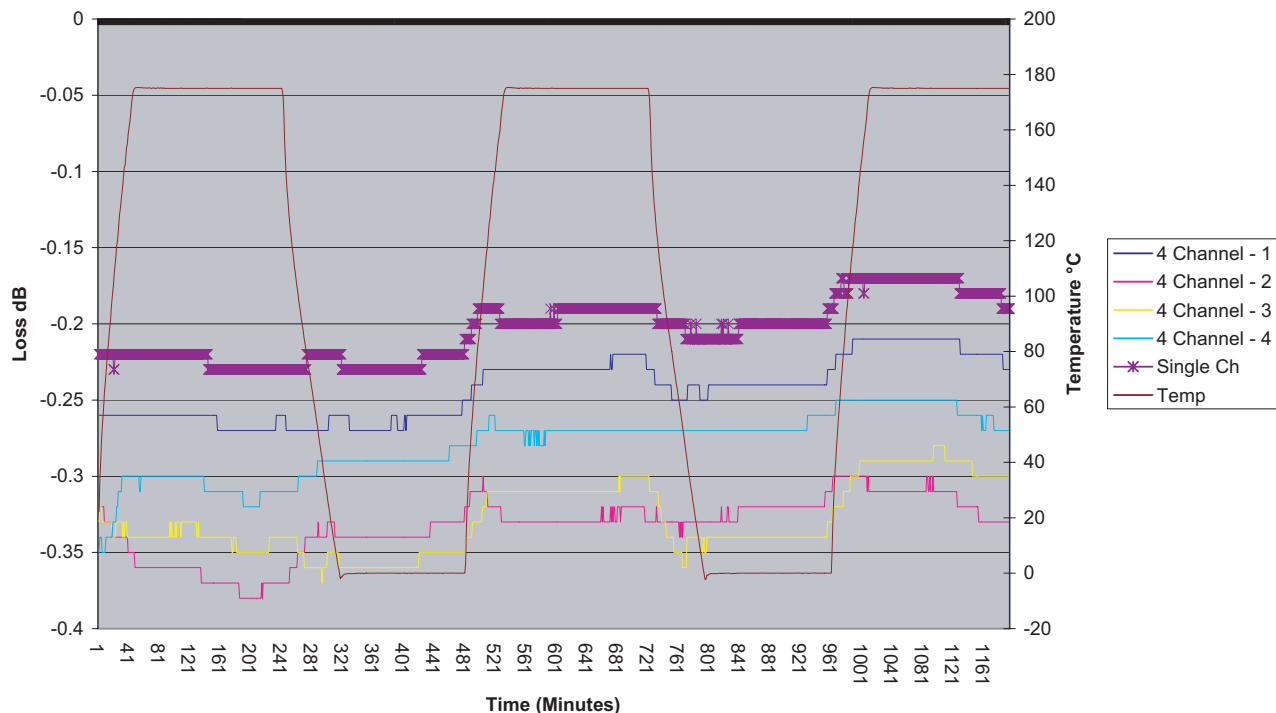
Materials for 4-Channel

- 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"

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 our DeepSight® products, call toll free (U.S. only) at 800.472.4225, international calls please use 1.214.547.2400 or e-mail sales@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. With over a decade 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 distributed millions of fiber optic connectors worldwide. 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.

For more information visit www.fibersystems.com.