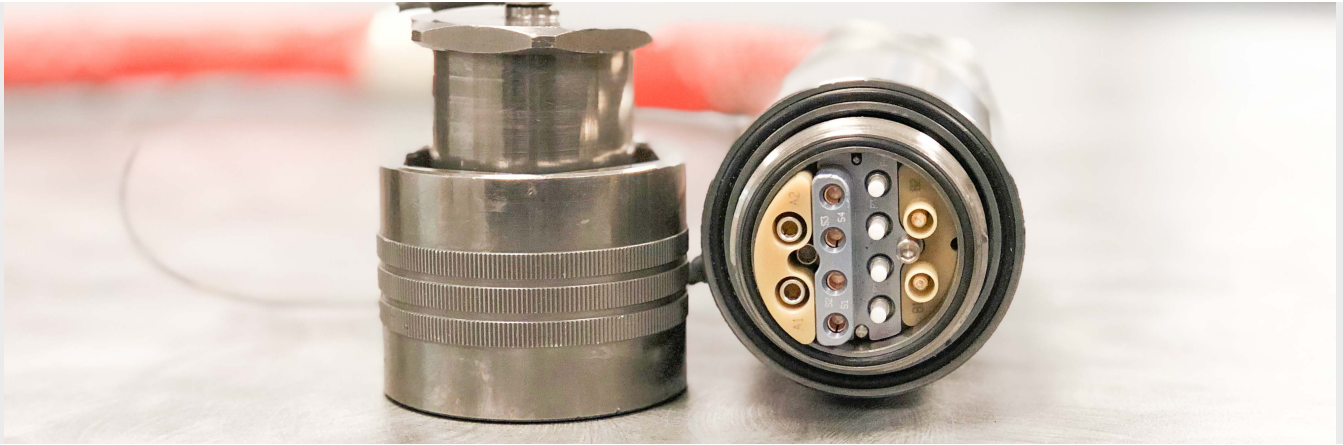


TFOCA-II® RigLinQ



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

The TFOCA-II® 12-channel RigLinQ fiber optic connector is ideally suited for environmentally harsh conditions. Hybrid design lowers overall systems cost and greatly reduces panel mount foot print by combining optical and electrical signals in one quick connect housing. The unique TFOCA-II® connector series is designed and patented by Amphenol Fiber Systems International. This design takes advantage of the latest in fiber optic connectivity technology by utilizing an industry exclusive fully articulating optical termini for superior optical performance and environmental open-face sealing. The TFOCA-II® RigLinQ connector is designed for minimal maintenance in the field. Field cleaning if required is facilitated by a removable end cap allowing direct access to the alignment sleeves and termini.

Features & Benefits :

- Hermaphroditic Design for Versatility - Enables multiple TFOCA-II® plug assemblies to be concatenated
- Removable End Cap - Allows for easy field maintenance and cleaning
- Improved Cable Retention Strength - Designed to meet 400 lbs pull strength while protecting fibers from stress
- Ni-PTFE Plating - Provides substantial longevity to corrosive environments and is conductive allowing safe grounding of cable armor. Meets new mandate set by the Environmental Protection Agency for elimination of heavy metal plating
- Panel Mount Versions Available - In-line Panel mount with full environmental protection available as well as standard panel mount. Both designs feature industry first Blind Mate Assist Sleeves to aid user ergonomics.
- Multiple Fiber Types-Supports Single mode, Mutlimode, and Plastic Optical Fiber (POF)
- Hi Performance Metal Alignment Sleeves - More robust than ceramic alignment sleeves
- Hermaphroditic Dust Cap - Plug and/or receptacle dust caps connect together to prevent dust and moisture penetration during deployment
- High Performance Insert - High Performance Injection Molded Insert made from 30% GF Ultem® 2300 provides outstanding dielectric strength plus superior mechanical performance
- Field Repairable Using Existing Parts - Additional connector components (other than termini) are not required to perform field repair
- Also Available in Stainless Steel and Brass - Allows the connector to be used in a variety of applications Oil, Gas, and Geo-science industries

Amphenol Fiber Systems International, Inc. | 1300 Central Expressway N, Suite 100 Allen, TX 75013

Phone: (214) 547-2400 | Email: sales@fibersystems.com | Website: amphenol-fsi.com

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.

TFOCA-II® RigLinQ

Applications :

- Next Gen Drilling Rig Control Systems
- Mining
- Industrial
- Broadcast

TFOCA-II® 12-Channel Connector Specifications:

Specification	Measurement/Detail
Operating Temperature	-46°C to + 71°
Storage Temperature	-52°C to + 85°C
Mud	5 minute immersion, clean with water
Water Pressure	MIL-STD-810, Method 512.4, 1m, 48hr
Ice Crush	DOD-STD-1678, Method 4050
Humidity	DOD-STD-1678, Method 4030, 10 Cycles
Flammability	MIL-STD-1344, Method 1012
Vibration	MIL-STD-1344, Method 2500.1
Shock	EIA/TIA-455-14, Condition A
Mating Durability	2,000 cycles per EIA/TIA-455-21
Twist	1,000 cycles per EIA/TIA-455-36
Cable Seal Flexing	100 cycles per MIL-STD-1344, Method 2017, Procedure 1
Cable Retention	400 lbs min per EIA/TIA-455-6, 1hr (plug & strain relief receptacles)
Impact	EIA/TIA-455-2
Crush Resistance	450 lbs minimum per EIA/TIA-455-26
EMI Shielding Effectiveness	> 60dB, 15KHz to 10GHz

How to Order :

For more information on how to order or to obtain a price quote on any of our TFOCA-II® RigLinQ 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.

Amphenol Fiber Systems International, Inc. | 1300 Central Expressway N, Suite 100 Allen, TX 75013

Phone: (214) 547-2400 | Email: sales@fibersystems.com | Website: amphenol-fsi.com

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.