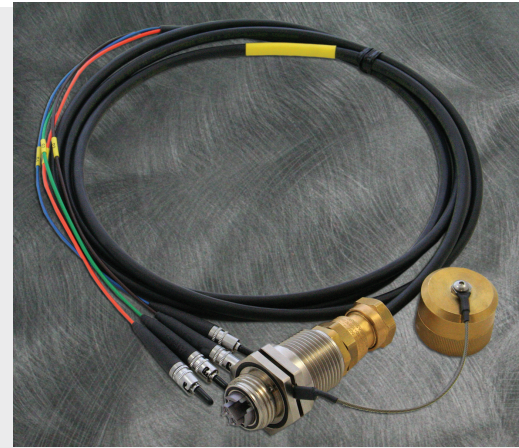


TFOCA-II[®] EX



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

Amphenol Fiber Systems International (AFSI) offers the TFOCA-II[®] EX connector to provide fiber optic connectivity in Zone 1 and Zone 21 hazardous environments. AFSI was awarded an ATEX certification number (09ATEX1033X) from Sira for its fiber optic 4-channel TFOCA-II[®] hermaphroditic plug and receptacle connectors. This certification allows TFOCA-II[®] EX connectors to mount directly to flameproof enclosures in hazardous environments, providing a safe, robust and user friendly fiber optic interface

The TFOCA-II[®] EX is ideal for instrumentation and control systems located in petrochemical production, exploration and process facilities. The TFOCA-II[®] EX eliminates the need for hard-wired fiber optic cable glands, reducing deployment, maintenance and tear down time. Also, when compared to hard-wired cable glands, the equipment can be connected and disconnected by minimally-trained personnel.

The TFOCA-II[®] EX was specifically designed for fiber optics using field-proven TFOCA-II[®] technology. The standard TFOCA-II[®] EX supports up to four single mode or multi-mode fiber optic contacts. Using precision ceramics, the TFOCA-II[®] EX provides excellent optical performance with insertion losses of 0.3 dB typical and 0.75 dB maximum. The connector is also easy to terminate with standard fiber optic tools and training.

Features & Benefits :

- Allows direct mount to explosion-proof-rated enclosures reducing deployment and tear down times
- Allows equipment deployment by minimally-trained personnel
- Specifically designed for fiber optics using field-proven TFOCA-II[®] technology

Applications:

- Hazardous environments in petrochemical refineries
- Oil & Gas drilling platforms
- Power plants
- LNG terminals

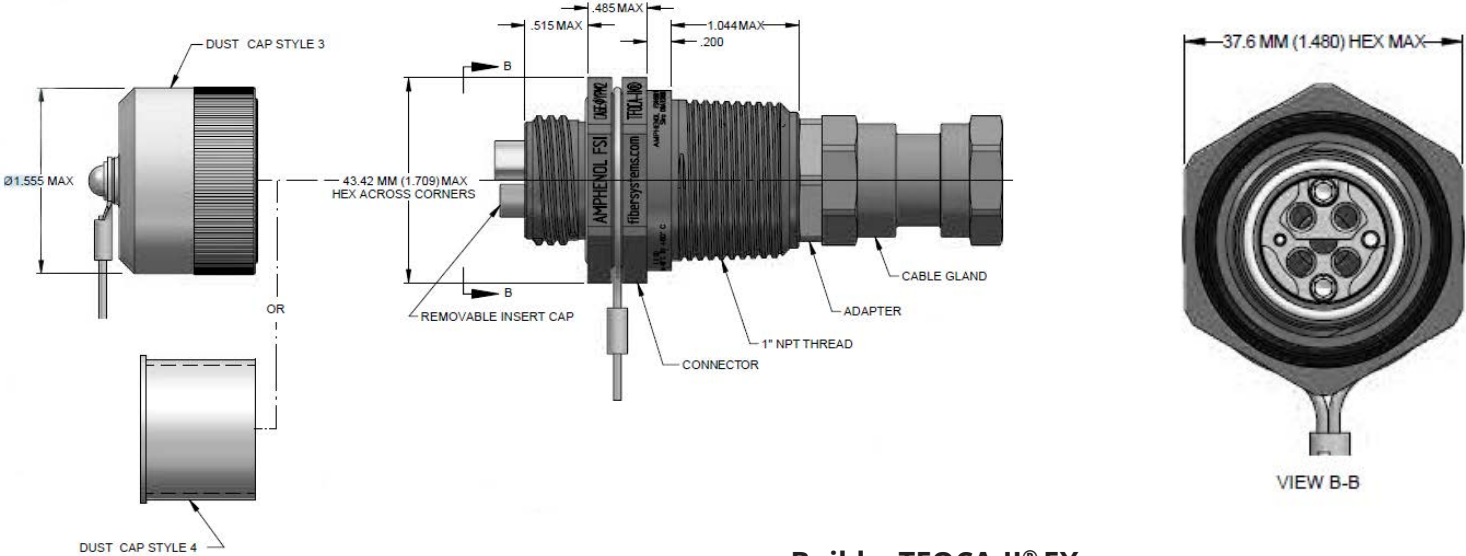
Amphenol Fiber Systems International, Inc. | 1300 Central Expressway N, Suite 100 Allen, TX 75013

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.

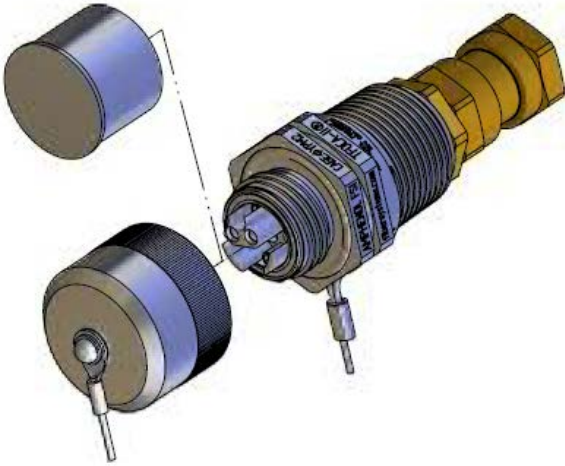
TFOCA-II® EX

TFOCA-II® EX Dimensional and 3D Drawings:



Build a TFOCA-II® EX:

1. Base Part Number	2. Plated Material	3. O Rings	4. Key Options	5. Cable Gland	6. Dust Cap
FS4H5007					



1. Base Part Number		2. Plated Material	
FS4H5007		B Brass 360 Ni Plated	
3. O-Rings		4. Key Options	
B Aluminum		1 Key 1, Grey	
		2 Key 2, Blue	
		3 Key 3, Red	
		4 Key 4, Green	
5. Cable Gland		6. Dust Cap	
A Cable Range 0.118-0.315"		3 Female Dust Cap W/ Lanyard	
B Cable Range 0.295-0.469"		4 Plastic Dust Cap (Disposable)	

TFOCA-II® EX

TFOCA-II® EX Specifications:

Specification	Measurement/Detail
Operating Temperature	-46°C to + 71°C
Storage Temperature	-52°C to + 85°C
Mud	5 Min immersion, clean with water
Water Pressure	-MIL-STD-810, Method 512.4, 1 m, 48 hr
Ice Crush	DOD-STD-1678, Method 4050
Humidity	DOD-STD-1678, Method 4030, 10 cycles
Flammability	MIL-STD-1344, Method 1012
Vibration (Operational)	MIL-STD-1344, Method 2500.1
Shock	EIA/TIA-455-14, Condition A
Mating Durability	2,000 cycles per EIA/TIA-455-21
Cable Seal Flexing	100 cycles per MIL-STD-1344, Method 2017
Twist	1,000 cycles per EIA/TIA-455-36
Cable Retention	400 lb min per EIA/TIA-455-6, 1hr (plug & strain relief receptacles)
Impact	EIA/TIA-455-2
Crush Resistance	450 lb min per EIA/TIA-455-26
EMI Shielding Effectiveness	> 60dB, 15 KHz to 10 GHz
Corrosion Resistance	MIL-STD-1344, Method 1001, Condition A

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.