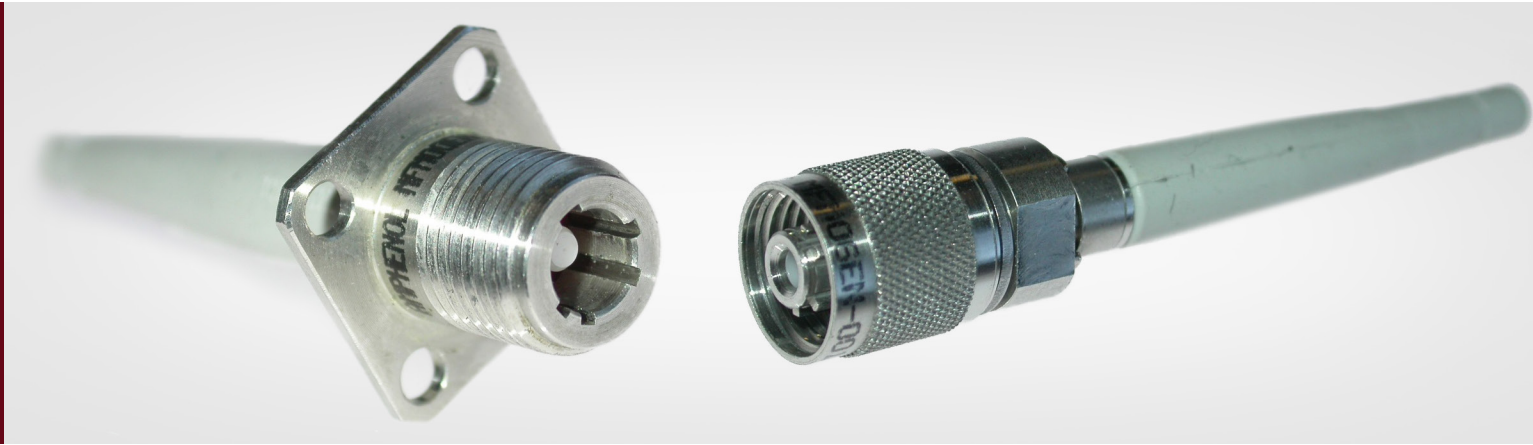


## FSMFM Series Singleway Connector System



### Amphenol Fiber Systems International (AFSI) has announced the latest addition to its Harsh Environment product portfolio – The FSMFM Singleway Fiber Optic Connector for a variety of applications in Harsh Environments.

FSMFM is rugged, sealed, anti-vibration and corrosion resistant ensuring high environmental and optical performance in a variety of applications ranging from aerospace, land, and above / below sea.

The FSMFM connectors themselves include a ratchet coupling nut for high-vibration applications. The connectors are manufactured from ARCAP which provides very high corrosion resistance. Keying options provide superior alignment, optical performance and can also prevent misconnection. Being of modular construction, the shell interface can be changed accordingly. This connector series is compatible with simplex ruggedised cable for multimode, singlemode and APC. The connectors are sealed to IP68 standards to resist fluids and dust penetration.

#### Features & Benefits :

- Multimode, Singlemode and APC available
- Ø2.5mm Ceramic Ferrule
- Lightweight, minimal panel footprint
- Ratchet coupling nut for high vibration environments
- IP68 sealing
- Keyed shells and ferrules for optimum repeatability
- RFI Receptacle gasket
- High corrosion resistance
- >500 cycles mating durability
- Operating temperature -65C to + 155C

#### Applications :

- Military
- Aerospace
- Naval
- Security
- Radar

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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](http://amphenolmao.com).

## Performance :

Description	Measurement/Detail
Insertion Loss	0.3dB with 62.5/125
Fiber Types	9/125, 50/125 & 62.5/125
Return Loss (APC Only)	>60dB
Temperature Range	-65 - +155°C
Temperature Endurance	1000hrs @ 150°C as per EN2591 Test FC1 C1 Method B
Gunfire Vibration	As per EN2519 Test D3 Method A
Shock	As per EN2591 Test FD2 D2 Method A
Salt Mist	500hrs as per EN2591 Test FC7 C7
Sand & Dust	As per EN2591 Test C8
Humidity	95% RH for 6hrs as per EN2591 C21
Durability	>500 mating cycles
Material	ARCAP connector body

## How to Order :

### FSMFM - 1 E 2 - 3

1. Type	2. Orientation
6 = Plug	N = Normal Orientation
0 = Flange Mount Receptacle	A = Orientation
7 = Jam Nut Receptacle	B = Orientation
3. ???	
001 = 50 & 62.5/125 Ø2.5mm Simplex ruggedised	
003 = 9/125 Ø2.5mm Simplex ruggedised	
103 = APC 9/125 Ø2.5mm Simplex ruggedised	

To order or to obtain a price quote, call toll free (US only) at 800.472.4225, international calls please use 1-214-547-2400 or e-mail sales@fibersystems.com.

## Amphenol Fiber Systems International (AFSI) :



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 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 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.fibersystems.com](http://www.fibersystems.com) for more information.