

LC Field

Fiber Optic Connector



Transform your LC patch-cord into an environmental connector.

The patented RJStop® system allows use of a standard LC patch-cord in a metallic plug, which will protect it from shock, dust and fluids. There is no need for field termination.

This metallic plug connects to a receptacle, using a Tri Start Thread coupling mechanism (MIL-DTL-38999 Series III type) with anti-decoupling device for high vibrations.

Features:

- Sealed against fluids and dust
- Shock and Vibration Proof
- Number of Channels: 2
- Typical Insertion Loss: 0.5dB in SM & MM
- Durability: 500 mating cycles*
- No cabling operation in field and no tools required for installation (Except 1.6mm and 2mm zipcord cable)

Benefits:

- Solid reliable connectivity through a wide range of harsh environmental conditions
- Compatible with all qualified MIL-DTL-38999, Series III connectors
- Fast termination and polish time
- Reliable, repeatable and durable connections
- Easy to clean

Applications:

- Railways
- Base Station
- Military Communication
- Naval Systems

Amphenol Fiber Systems International, Inc. | 1300 Central Expressway N, Suite 100 Allen, TX 75013
Phone: (214) 547-2400 | Email: sales@fibersystems.com | Website: www.fibersystems.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.

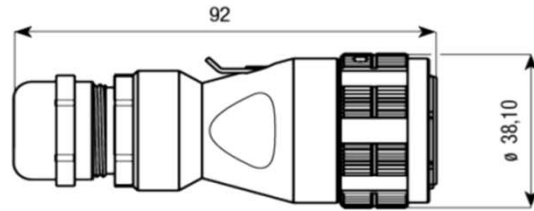
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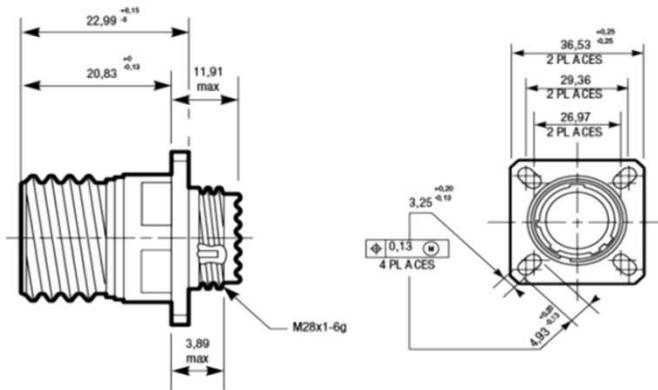
Amphenol FSI

Line drawings (Dimensions in mm)

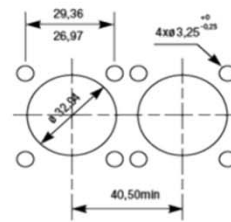
■ Plug (MIL DTL 38 999 series III Size 19)



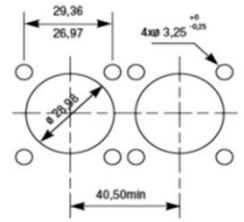
■ Square Flange Receptacle (MIL DTL 38 999 series III Size 19)



Square flange receptacle rear panel mounting

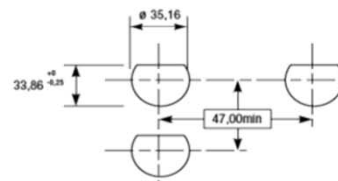
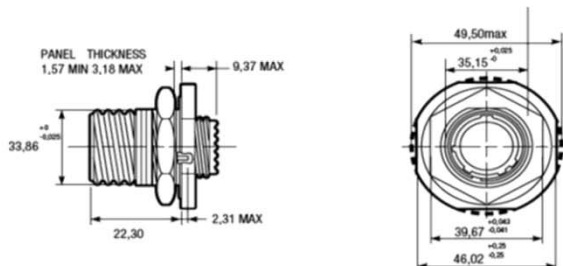


Square flange receptacle front panel mounting



Panel Drilling

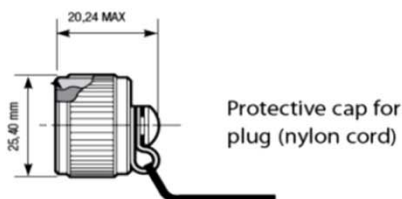
■ Jam Nut Receptacle (MIL DTL 38 999 series III Size 19)



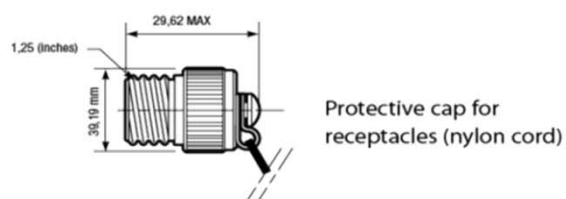
Jam nut receptacle rear panel mounting

Panel Drilling

Protective caps



Protective cap for plug (nylon cord)



Protective cap for receptacles (nylon cord)

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PART NUMBER CONFIGURATIONS

Serie	LCF TV	6M	D	G	N
Optical connector type					
Shell Type					
6M: Plug with metal backshell and metal PG clamp					
2: Square flange receptacle without backshell					
7: Jam nut receptacle without backshell					
Cable Type					
Only for plug					
D: Flat duplex cable 1,6 mm					
E: Duplex zipcord 1,6 mm					
F: Flat duplex cable 2 mm					
G: Duplex zipcord 2 mm					
H: Flat duplex cable 2,8 mm					
I: Duplex zipcord 2,8 mm					
T: Flat duplex cable + Duplex zipcord for 1,6 mm - 2 mm - 2,8 mm					
Only for receptacle (no backshell available for receptacle)					
0: Receptacle without backshell					
Shell Finish					
N: Nickel plated					
G: Olive drab cadmium plated					
B: Bronze					
D: Black zinc cobalt					
Z: Olive drab zinc cobalt					
Polarization					
N: Normal					
A / B / C / D / E					

Cap Series	B	EC	N	TV	W	19
Protective cap type						
EC: For square flange receptacle						
ER: For jam nut receptacle						
F: For plug						
Wire type						
N: Nylon cord						
Blank: Metallic chain						
TV: Series						
Shell finish						
B: Bronze						
F: Electroless nickel plated, aluminium version						
W: Olive drab cadmium plated, aluminium version						
D: Black zinc cobalt						
Z: Olive drab zinc cobalt						
Corresponding connector shell size: 19						

■ Requested information to order LC Field Patchcord

Type of connector: Male /Female
 Type of fiber: 50/125, 62,5/125, 9/125
 Patchcord length: ex 10.5m
 Drawing: description of the product

Contact us for other configuration

Tools informations:

Mounting Tools:

LCFTV MO TOOL: LC FIELD Mounting tools

Dismounting Tools:

LCFTV DM TOOL: LC FIELD Dismounting tools
 (To dismount the LC you need to use both dismounting and mounting tools)

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Amphenol FSI



How to Order:

For more information on how to order or to obtain a price quote on any of our LC Field 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.fibersystems.com for more information.

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