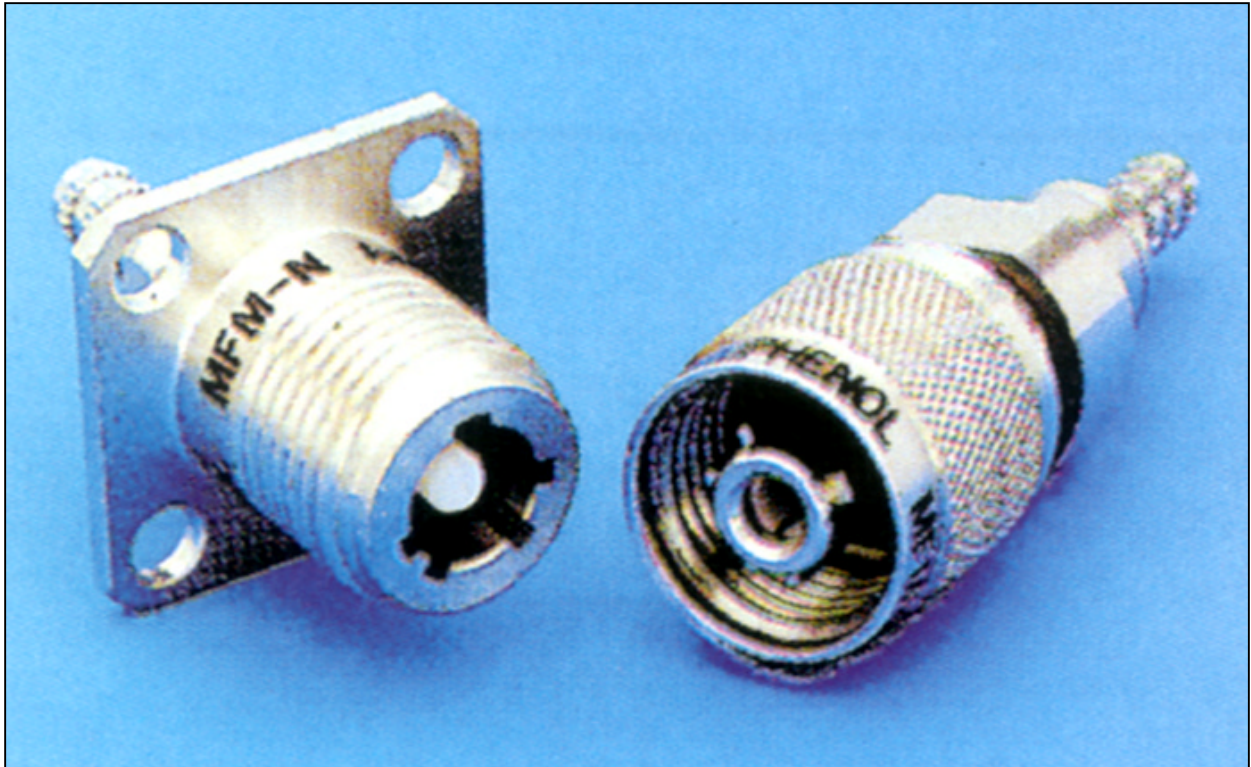


Amphenol

MFM Series

Singleway Fibre Optic Connector

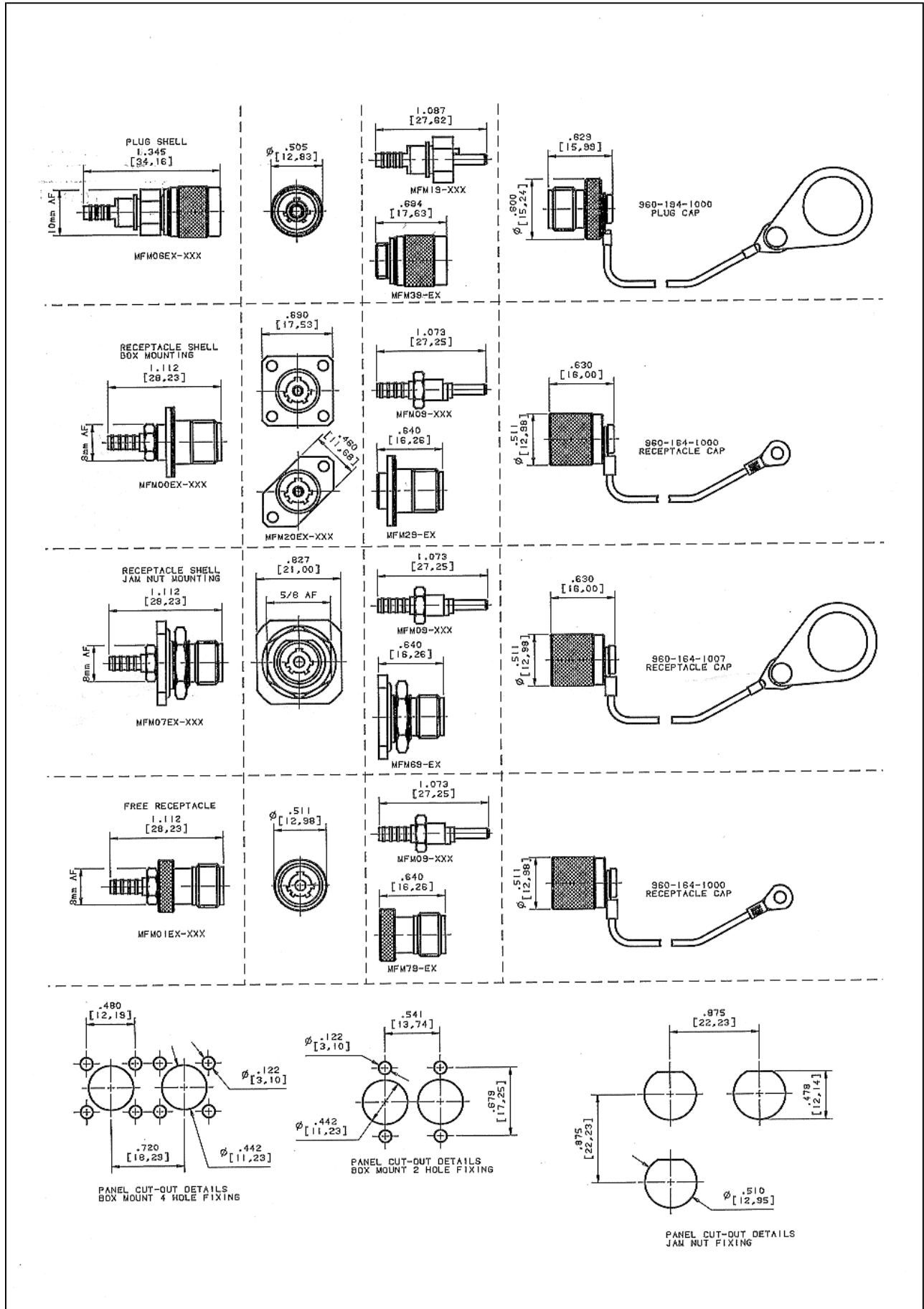


A high performance, low loss, fibre optic connector, specifically designed to operate in harsh environments.

- The MFM uses ceramic PC ferrule technology with a ceramic alignment sleeve to reduce insertion loss
- Lightweight, designed to interface with a wide range of rugged fibre optic cables
- Keyed shells and ferrules for optimum repeatability
- Anti-vibration coupling mechanism
- Silicone 'O' Ring environmental sealing
- Keyway polarisation
- RFI receptacle gasket
- Manufactured in Arcap for corrosion resistance

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Technical Information



Performance

Optical				
Attenuation	Typically 0.25 with 62.5/125 cable			
Repeatability	<0.1dB			
Fibre Types	50/125	62.5/125		
	85/125	100/140		
	200/280	8/125		
Cable Types	-001	62.5/125	2.75 OD	Ruggedised
	-002	62.5/125	6.2 OD	Ruggedised
	-003	62.5/125	2.75 OD	Loose Tube
	-004	200/280	2.5 OD	Ruggedised
	-005	100/140	1.6 OD	Ruggedised
	-006	8/125	2.75 OD	Ruggedised
	-007	8/125	6.2 OD	Ruggedised
	-008	62.5/125	2.75 TJ	Santaprene Boot
	-015	100/140	1.5mm	Buffer
	-017	62.5/125	5.4 OD	-7 Crimp Ferrule and Heatshrink
Many other cable types are available – contact factory for details				
Termination Method	Epoxy / Polish			

Environmental	
Temperature Range	-65°C / +155°C cable dependent
Vibration	As per pr EN 2519 Test D3 Method A

Mechanical	
Durability	>500 matings
Materials	Shell : Arcap
	Ferrule : PC Zirconia Ceramic
	Alignment Sleeve : Zirconia Ceramic
	'O' Ring (Seals) : Silicone
	Boot : Silicone

Termination Tools and Consumables	
Basic Termination Kit	927 – 100 – 3000
Add on Kit	927 – 100 – 3500
Consumable Pack (50 terminations approximately)	927 – 100 – 6000
Other items of tooling may be purchased separately. Please contact factory for details.	

Part Number Information

Series	MFM	—	XX	—	E	—	X	—	XXX
Plug			06						
Receptacle			00						
Free Receptacle			01						
2 hole receptacle			20						
Jam Nut			07						
Orientation N,A,B,C,D,E,U									
Cable variant - See previous page									

Sub-Assembly

Series	MFM	—	XX	—	E	—	X
Plug Shell			39				
Receptacle Shell			29				
Jam nut shell			69				
Free receptacle shell			79				
Orientation N,A,B,C,D,E,U							

Series	MFM	—	XX	—	XXX
Receptacle Sub Assembly			09		
Plug Sub Assembly			19		
Cable variant - See previous page					

Protective Caps - See Technical Information on Page 2

Product specifications and performance characteristics are typical only and subject to change.

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