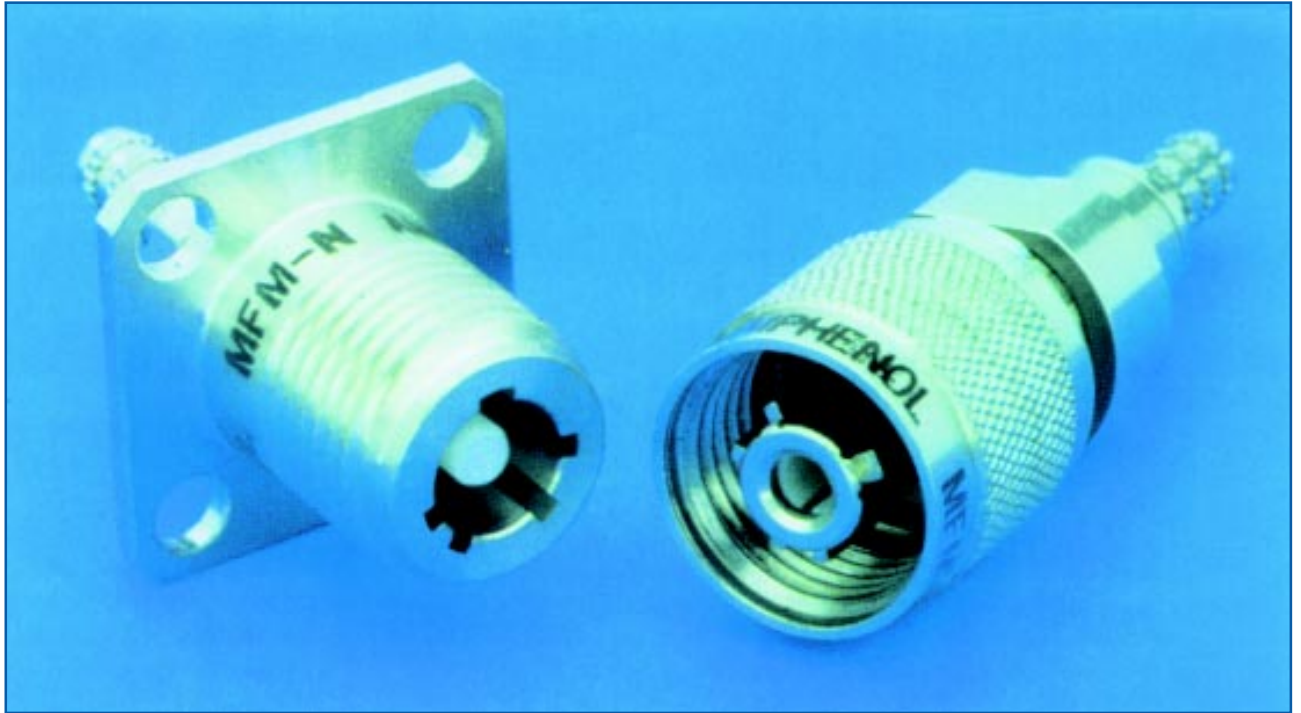


Amphenol

MFM Series

Singleway Fibre Optic Connector

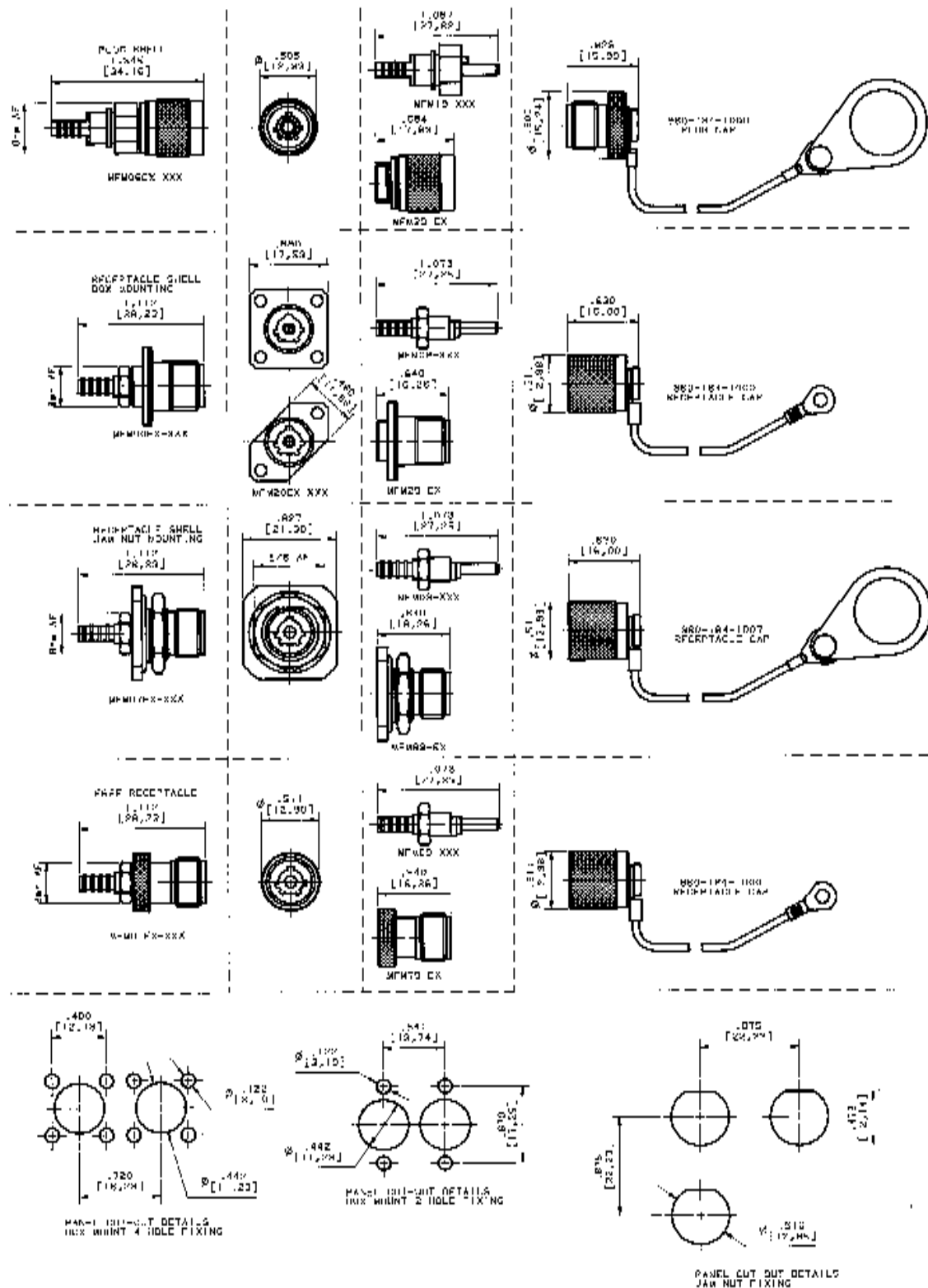


A high performance, low loss, fibre optic connector specifically designed to operate in harsh environments.

- 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	1.5 mm	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
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 Numbers Information

SeriesMFM—XX—E—X—XXX

Plug06

Receptacle00

Free Receptacle01

2 hole receptacle20

Jam Nut07

Orientation
N,A,B,C,D,E,U

Cable variant - See previous page

Sub-Assembly

SeriesMFM—XX—E—X

Plug Shell39

Receptacle Shell29

Jam nut shell69

Free receptacle shell79

Orientation
N,A,B,C,D,E,U

SeriesMFM—XX—XXX

Receptacle Sub Assembly09

Plug Sub Assembly19

Cable variant - See previous page

Protective Caps - See Technical Information on Page 2

For further information on cables, connectors and assemblies please consult your local office.
Product specifications and performance characteristics are typical only, and subject to change.

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