

Amphenol

TVP Series

Multiway Circular Fibre
Optic Connector



A high performance, harsh environment fibre optic connector. The MIL-C-38999 Series III connector can be specified as a dedicated fibre optic connector or a hybrid of fibre optics, power, signal, coax or data bus contacts.

- Ceramic, stainless steel or bronze alignment sleeve.
- Size 16 contacts (MIL-C-38999).
- Shell material - aluminium bronze, aluminium, stainless steel.
- Anti-vibration screw coupling mechanism.
- Environmentally sealed.
- Contacts per connector - minimum 2/maximum 37.
- Plug and receptacle can facilitate the use of pin or socket termini in either way.
- Application applies to any area which requires a totally sealed multiway fibre optic interconnection.

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Performance

Optical				
Attenuation	<1.5dB for 50/125 fibre			
Fibre types	50/125	100/140	200/300	200/280
Cable types	To customer specification			
Termination method	Epoxy/polish			
Environmental	Temperature -55°C to +200°C cable dependant			
Durability	500 cycles			

Fibre Optic Contacts Part Number Information

Fibre Size Core/Cladding Dia. (Microns)	Size 16 Socket	Size 16 Pin	A Dia. Ref**	
			Inches	Microns
50/125	CF-198035-10	CF-198036-10	.0050	127
62.5/125	CF-198035-10	CF-198036-10	.0050	127
100/140	CF-198035-17	CF-198036-17	.0057	145
200/230	CF-198035-53	CF-198036-53	.0093	236
200/240	CF-198035-57	CF-198036-57	.0097	245
200/280	CF-198035-74	CF-198036-74	.0114	290
200/300	CF-198035-80	CF-198036-80	.0120	305

Now available in size 20 contacts

Fibre Size Core/Cladding Dia. (Microns)	Size 20 Socket	Size 20 Pin	A Dia. Ref**	
			Inches	Microns
50/125	CF-198080-010	CF-198081-010	0.0050	127
62.5/125	CF-198080-010	CF-198081-010	0.0050	127
100/140	CF-198080-017	CF-198081-017	0.0057	145

For specific ordering information, please consult factory.

For full part numbering information, please see the full range Mil-C-38999 catalogue.

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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