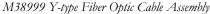


M38999 Fiber Optic Hybrid Cable Assemblies







M38999 Plug-To-Plug Assembly

About the M38999

Amphenol Fiber Systems International (AFSI) designs and manufactures world class harsh environment fiber optic connectors and cable assemblies for the military and aerospace markets. Cable assemblies built with D38999 connectors, used in military, avionics, and industrial applications, are a cornerstone offering in our industry leading product line, along with TFOCA-II®, M28876 and expanded beam cable assemblies.

The D38999 circular connector series is designed for harsh environments, particularly those with wide temperature ranges and high mechanical vibrations. This electrical connector is adapted for fiber optics by using M29504/4 and /5 termini. These termini fit into any size 16 contact cavity.

Precise alignment is critical to fiber optic connectors. The tightly toleranced fiber optic D38999 connectors ensure precise alignment with precision-machined polarization keys and keyways which reduce radial misalignment. This precision yields superior optical performance when compared to standard D38999 connectors. Tight tolerance D38999 connectors also have a positive bottoming surface and conductive surface plating, assuring exceptional EMI/RFI performance.

All D38999 connectors feature a non-conductive insert making this a great connector choice when optical fibers and electrical wires must be used in the same connector. The D38999 series offers a wide range of shell sizes, backshells and insert patterns. Standard contacts and termini are available making any design simple and cost-effective.

AFSI's goal is to exceed customer requirements with every cable assembly. AFSI frequently assists customers in designing and building application specific cable assemblies. Additionally, AFSI has over 20 years of experience in building to customer prints. Our highly skilled technicians are trained to a wide variety of industry standard procedures critical to manufacturing harsh environment fiber optic cable assemblies.

All AFSI cable assemblies are manufactured by expert technicians in our state-of-the-art, AS9100 certified facility. We are proud to serve virtually every major defense company in the United States, the US Army, US Navy, US Air Force, many international defense companies and international militaries as valued customers.

Fiber Optic Solutions www.fibersystems.com



M38999 Fiber Optic Hybrid Cable Assemblies

Features & Benefits

- Rugged, multi-channel M38999 series III connectors
- Incorporates proven M29504 termini
- Available in aluminum, stainless steel or composite materials
- Size 16 single and multimode termini
- Butt joint interface is guaranteed through a spring loaded terminus design



M38999 Male Fiber Optic Cable Assembly

M38999 Identification & Availability

Shell Size/ Arrg	Military Shell	Total Contacts	Contact Size		
			20	16	12
11-2	В	2		2	
13-4	С	4		4	
13-13	С	4		2	2
15-5	D	5		5	
15-15	D	15	14	1	
15-97	D	12	8	4	
17-8	Е	8		8	
17-99	Е	23	21	2	
19-11	F	11		11	
19-28	F	28	26	2	
21-16	G	16		16	
21-29	G	27	19	4	4
21-39	G	39	37	2	
23-21	Н	21		21	

How to Order

For more information on how to order or obtain a price quote on M38999 fiber optic hybrid cable assemblies call toll free (US only) at 800.472.4225, international calls please use 1.214.547.2400 or e-mail info@fibersystems.com.



About Amphenol Fiber Systems International

Amphenol Fiber Systems International (AFSI) is the world's leading manufacturer of rugged, reliable and cost-effective harsh environment fiber optic connectors.

AFSI cable assemblies are manufactured by expert technicians in our state-of-the-art, ISO 9001:2000, and AS9100 certified facility. This ensures our processes and practices are optimized for the unique, custom specifications required of fiber optic cable assemblies rather than one-size-fits-all electrical assemblies.

AFSI's goal is to exceed customer requirements with every cable assembly. AFSI can assist in designing and building to application specific cable assemblies or building to a customer print. AFSI technicians are trained to MIL-STD-2042B, and a variety of other procedures, critical to manufacturing harsh environment fiber optic cable assemblies. An optical test report is included with every cable built. If other tests are required, AFSI is capable of testing either in-house or contracting with a test laboratory partner.

Visit www.fibersystems.com for more information.

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Amphenol Fiber Systems International, Inc.

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