

Amphenol Aerospace Operations Fiber Optic Products

Custom Cable Assembly Design and Fabrication



Amphenol's cable assembly expertise dates back to the first industry standard fiber optic connector over 25 years ago. Our in depth understanding of connector and termini design, and the complete control of connector materials, make Amphenol fiber optic cable assemblies one of the best in the industry.



Amphenol offers a comprehensive line of singlemode and multimode cable assemblies in a variety of cable configurations utilizing 38999 Series III type, ARINC 801 type 1, LC, FC and other industry standard connectors. From simplex jumpers to multi-fiber custom assemblies, Amphenol can design and supply all of your cable assembly needs.



High quality polishing processes have been developed to meet and exceed industry standard specifications for insertion loss, return loss and endface geometry. All assemblies are designed to intermateability standards for optical and physical performance criteria.



Connector and cable materials are extensively inspected prior to assembly. Every completed cable assembly receives 100% inspection for both insertion loss and visual defects. Interferometers are used for accurate endface geometry testing.



You specify the functionality of the cable assembly and Amphenol's talented mechanical and optical engineers will develop an "end-to-end" solution. Design creativity, experience and an understanding of your application will ensure a functional and manufacturable design.

Amphenol

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