

FIBER KING

FIBER OPTIC CABLES



Turnkey Optical Flex circuit assembly with rugged MT ferrule terminations

Glenair is the worldwide leader in military, aerospace, and harsh-environment fiber optic interconnect assemblies. We manufacture every element in-house, from low-loss simplex, duplex, and multi-line fiber optic cables, to precision termini, military and aerospace-grade connectors, backshells, and tools. Glenair FiberKing fiber optic cables are optimized for reliable, durable performance in military and commercial aviation, space, harsh-environment oil and gas, and multi-termination (MT ribbon) assemblies.

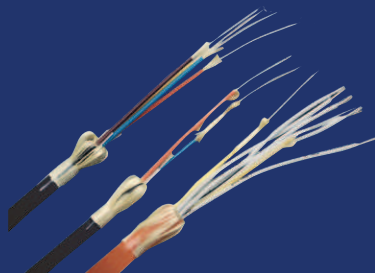
FiberKing Cables

- Lightweight, tight bend-radius fiber optic cable for 10Gb+ avionic networks
- Vibration, radiation, and temperature-resistant space-grade F/O designs
- Ultra harsh-environment (high-pressure, high-temp, water-blocking) oil & gas industry fiber optic cable assemblies
- Ruggedized fiber optic ribbon cable for multi-fiber termination (MT) applications

TURNKEY Fiber Optic Cables and Harnesses



For rugged mission-critical applications



The FiberKing Mil-Aero (MA) Ecosystem

The FiberKing Mil-Aero (MA) Ecosystem is a complete flight-grade fiber optic interconnect solution for demanding military and commercial aerospace applications. This complete 10Gb+ low-loss fiber optic solution includes single- and multimode stepped and graded-index cables in simplex, duplex, and multi-line configurations. Glenair SuperNine and Glenair Front Release (GFR) fiber optic connectors are Glenair's signature offerings for high-speed, high datarate avionic networks. Cables and connectors are qualified to strict aviation industry standards for vibration, shock, moisture, and LSZH, and are rated to maximum optical loss (dB / km) at 850 nm $\leq$ 5.0 and at 1300 nm $\leq$ 3.0. Multimode cables are OM4 graded-index. Singlemode cables are OS1 stepped-index.



Hybrid optical / electrical assembly for weight reduction in a high-speed datalink application



High-density Next-Generation (NGCON) fiber optic harness assembly



Specialized MT ribbon fiber low-profile molded breakout capabilities



GFOCA I/O-to-board assembly with overbraiding for mechanical protection



Harsh environment overmolded MIL-DTL-38999 Series III type composite



Cable reels and field-deployment technologies for both Glenair GFOCA and Eye-Beam™ GMA fiber optic systems



Inside-the-box MIL-DTL-38999 type I/O connector to board cable harness

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