

FlexTAC - Rugged Fiber Optic Cable

FlexTac is a rugged fiber optic cable which is designed for top performance where high flexibility and durability is required. The fiberoptic cable with its proprietary metal flex-tube is an ideal solution for any harsh environment application in which it will be subjected to pulls, tugs, scrapes, sharp bends, wide temperature swings or any other damaging behavior.



FlexTac assemblies greatly reduce installation time and cost for wiring complex harnesses in enclosures and tight equipments. FlexTac's superior mechanical properties makes it suitable for a wide range of applications where conventional fiber optic cable would fail. Assemblies are available in 1 to 12 fibers and can be terminated with a wide range of standard commercial and military type connectors.

Features:

- Excellent mechanical and thermal properties
- Environmental qualified
- Bend insensitive / kink resistant
- High tensile and crush loads
- Rodent resistant
- Available in different sizes and jacket types
- Terminated to standard or MIL type connectors

Applications:

- Military & Commercial Aerospace
- Shipboard & Naval Installations
- Mining, Instrumentation & Exploration
- Mass Transportation
- Video and Security Systems
- Sensor and Computing
- Towed and Tethered connections

Specifications:

		1F	2F / 4F	8F	12F
Cable Diameter	mm	3.0	4.8	7.0	9.2
Tensile Strength	Newtons	250	350	750	860
Crush Load	N/cm	600	540	340	260
Bending Radius	mm	23	25	25	27
Temperature Range	Celsius	-40°C to +105°C			
Weight (w/o Connectors)	g/m	18	40	66	98
Flex tube Material	Stainless steel 304 (optional: Titan, Aluminum, Copper)				
Jacket Material	Flame Resistant PVC (optional: ETFE, FEP, TPU, PEEK)				
Jacket Colors	Black, Yellow, Green, Orange (other colors available on request)				