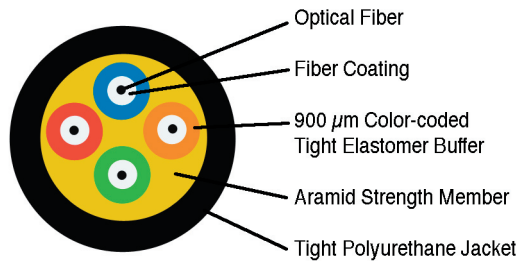
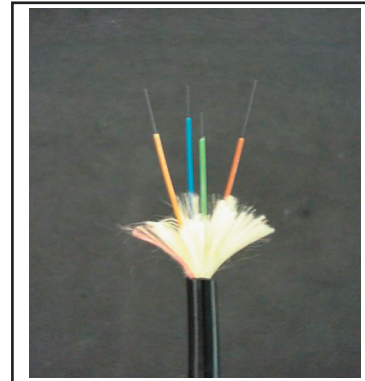




Tac-Series™ Fiber Optic Cables



Tac-4 cable shown



Design Philosophy and Purpose

- Extremely strong, lightweight, rugged, survivable tight-buffered cables designed for military and commercial deployment & retrieval applications.
- Compact cable design for ease of transportation and deployment.
- Totally non-metallic design for electrical isolation; impervious to noise & grounding issues
- Designed for use in adverse environments where reduced size and weight are important.
- Available in custom colors (Antarctic White, Golf Green, etc.) for various applications
- Cables have been tested and are in use in military applications worldwide.

Characteristics

- Crush-resistant and resilient with a thick PU jacket and aramid strength members
- Round, tight cable design for snag-resistance, easy installation and survivability.
- Polyurethane jacketed for abrasion, cut and chemical resistance.
- Operating temperature of -55°C to +85°C. Storage to -70°C.
- 500μm acrylate primary coating with 900μm diameter hard elastomeric buffer
- Fiber core counts of 1, 2, 4, 6 and 12. Other counts available as Special Orders.
- Available with 50μm & 62.5μm (multimode) and 8μm (single mode) core fibers.
- Printed length markings for convenience and diagnostics
- Terminate with military multi-pin connectors or fan out to single ST's, etc.
- Attenuation: ≤ 1 dB/km@1300nm
- Bandwidth, modal (multimode): ≥ 500MHz-km@1300nm
- The following mechanical characteristics outline Tac-1 through Tac-12 fiber cables:

No. Fibers	Cable Diameter	Cable Weight	Load, Short Term	Load, Long Term
1	5.0 mm	23 kg/km	400 lbf	130 lbf
2	5.0 mm	23 kg/km	400 lbf	130 lbf
4	6.0 mm	28 kg/km	400 lbf	130 lbf
6	6.0 mm	28 kg/km	400 lbf	130 lbf
12	7.0 mm	42 kg/km	450 lbf	140 lbf