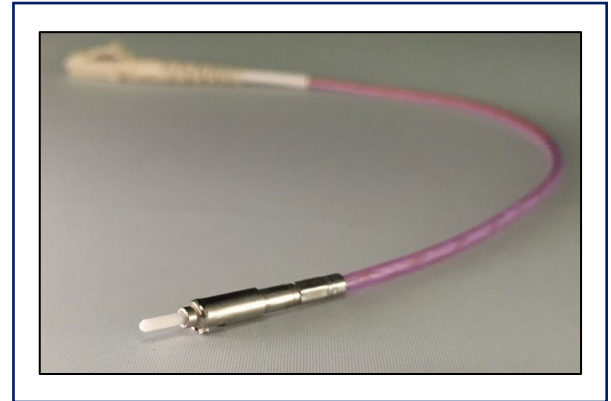




Features:

- Wide operating temperature range of -55°C to +85°C
- Negligible attenuation changes over temperature
- Meets BMS 13-71
- Shock and vibration resistant
- Accepts military, aerospace, or telecom connectors and termini
- 1.8mm fluoropolymer jacketing
- 915um secondary PTFE buffer diameter
- 62.5/125um Multimode core
- Tested to support humid environments



Tensolite™ cabling is ideal for harsh environments including military and aerospace applications



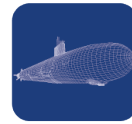
COMMERCIAL AEROSPACE



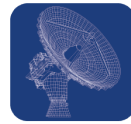
MILITARY AEROSPACE



MILITARY TACTICAL



SUBSEA NETWORKING



RADAR & SENSING



OIL & EXPLORATION

General Description

COTSWORKS' cable assemblies using Tensolite™ are designed for use in aerospace applications. It contains a 62.5um OM1 fiber in a semi-loose PTFE buffer surrounded by an aramid strength member. The 1.8mm fluoropolymer jacketing provides added protection. The cable is available in higher temperature ratings up to +100°C (termini/connector dependent).

Tensolite™ Assembly Characteristics

Flammability per BMS 13-71	Pass	Minimum Operating Temperature	-55°C
Smoke Generation per BMS 13-71	Pass	Maximum Operating Temperature	+85°C
Toxicity per BMS 13-71	Pass	Insertion Loss (LC to ARINC 801)	≤ 0.6 dB

BMS 13-71 Specifications (Type 1, Class 1)

Core Diameter	62.5 ± 3µm	Numerical Aperture	0.275 ± 0.015
Cladding Diameter	125.0 ± 2.0µm	Attenuation/km @850nm	≤ 2.9 dB
Core-Clad Concentricity	≤ 3µm	Attenuation/km @1300nm	≤ 0.6 dB
Cladding Non-Circularity	≤ 2.0%	Bandwidth @850nm	2.0 dB/Km
Core Non-Circularity	≤ 5.0%	Bandwidth @1300nm	4.0 dB/Km
Coating Diameter	245 ± 5µm	Minimum Fiber Proof Strength	100Kpsi

Ordering Information

Contact COTSWORKS for standard and custom cable configurations.

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