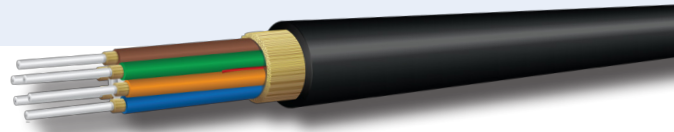


Military Breakout Series Fibre Optic Cable



Military tactical breakout series cable is the ideal cable solution for applications where the ability to deploy, retrieve and redeploy fibre cable is essential. Military cable is a flexible and extremely rugged cable design with excellent mechanical and environmental protection characteristics. The 2.0mm jacketed subcables allow for convenient termination and are perfectly suited for preterminated harsh environment connectorisation.

The quality and performance of the cable makes it perfectly suited to military, broadcast, port and rail fibre networks. Available in singlemode, OM1 & OM3 multimode fibre.

Applications

- Military data & communications networks
- Broadcast & deployable connectivity
- Mine site & petrochemical
- Harsh environment networks
- Sub-zero and high temperature locations
- Underground subway stations and tunnels



Features & Benefits

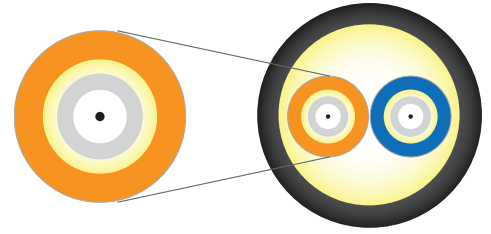
- High performance components and construction, extremely strong, lightweight, rugged & survivable
- Designed for military tactical field use and commercial applications
- Polyurethane jacketed for abrasion, cut & chemical resistance
- Core-Locked™ outer jacket design for installation survivability, long-term, trouble free service
- Crush resistant & resilient, with two separate layers of aramid strength members
- 2.0/2.5mm subcables can be direct-terminated with standard connectors
- Ultra fox plus 500mm secondary fibre buffer offers max. protection
- Subcabled fibre is environmentally and mechanically protected
- Cable materials are indoor/outdoor – UV, water and fungus resistant
- Wide operating temperature range of -55°C to +85°C
- 2 to 24 fibres

Active | Passive | Test Equipment | Tooling | Cable | Fibre Management

For further information:
www.fibreoptic.com.au
+61 3 9757 3000

Technical Specifications

Operating temp. (°C)	-55 to +85
Storage temp. (°C)	-70 to +85
Impact resistance (imp.)	200 (TIA/EIA-455-25A military requirements)
Crush resistance (N/cm)	440 (TIA/EIA-455-41A military requirements)
Flex resistance (cyc.)	2,000 (TIA/EIA-455-104A military requirements)
Applicable test methods	Tested to MIL PRF 85045 Methods



Cable Characteristics 2.0mm Subcables, Tactical Polyurethane

Fibre Count	Diameter (mm)	Weight* (kg/km) nominal	Installation tensile load (N)	Operational tensile load (N)	Min. bend radius installation (cm)	Min. bend radius long term (cm)
2	6.5	36	2200	550	6.5	3.3
4	7.5	47	2200	550	7.5	3.8
6	8.5	55	2400	600	8.5	4.3
8	10.0	76	3200	800	10.0	5.0
10	11.5	99	4000	1000	11.5	5.8
12	11.0	86	4800	1200	11.0	5.5
18	13.5	135	7200	1800	13.5	6.8
24	14.5	150	9600	2400	14.5	7.3

Note: * Low-smoke, zero-halogen polyurethane jacket & Flame-retardant tactical polyurethane ±5kg/km

Active | Passive | Test Equipment | Tooling | Cable | Fibre Management

For further information:
www.fibreoptic.com.au
 +61 3 9757 3000