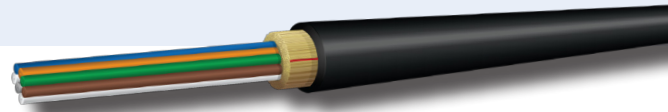


# Military Distribution Series Fibre Optic Cable

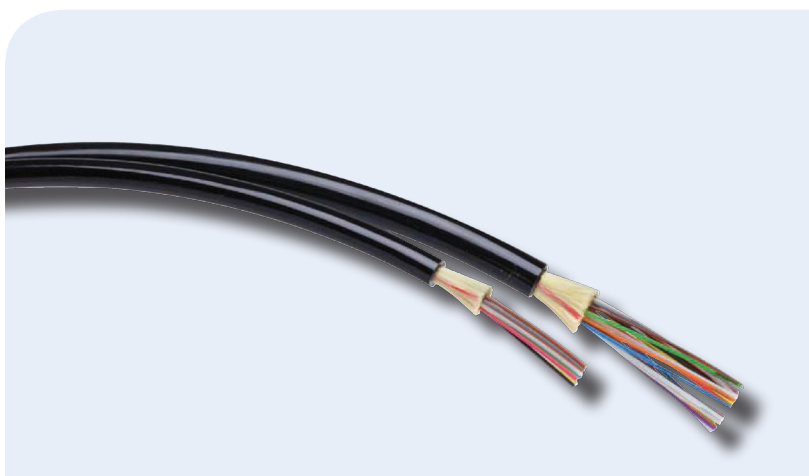


Military tactical distribution series cable is the ideal cable solution for applications where the ability to deploy, retrieve and redeploy fibre cable is essential. Military cable is a flexible, lightweight and rugged cable design with excellent mechanical and environmental protection characteristics.

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 a thick layer of aramid strength members
- Ultra fox plus 500mm secondary fibre buffer offers max. protection
- Compact round cable with excellent strength to weight ratios
- Cable materials are indoor/outdoor – UV, water and fungus resistant
- Flame retardant and low smoke zero halogen options
- Wide operating temperature range of -55°C to +85°C
- 2 to 24 fibres

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For further information:  
[www.fibreoptic.com.au](http://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 - 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	5.0	21	1800	600	5.0	2.5
4	5.5	27	1800	600	5.5	2.8
6	6.0	32	1800	600	6.0	3.0
8	6.5	37	1800	600	6.5	3.3
10	6.5	38	2100	700	6.5	3.3
12	6.5	41	2100	700	6.5	3.3
18	7.5	48	2400	800	7.5	3.8
24	8.5	60	3000	1000	8.5	4.3

Note: \* Low-smoke, zero-halogen polyurethane jacket & Flame-retardant tactical polyurethane ±3kg/km

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