

HARSH ENVIRONMENT

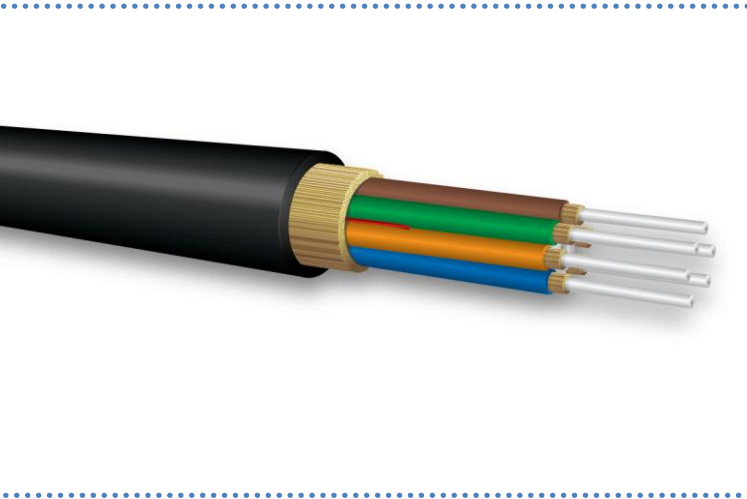
MIL-TAC CABLES – B SERIES

Tech Optics Ltd

Distributor of Fibre Optic Products

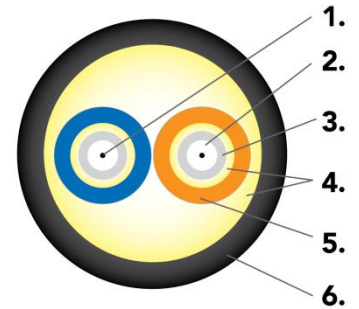


OCC
OPTICAL CABLE CORPORATION



Ground-tactical cables are ideal for use in harsh environments where deployment and retrieval for reuse is required

- Extremely strong, lightweight, rugged, survivable tight-buffered cables designed for military tactical field use and commercial applications
- Polyurethane jacketed for abrasion, cut, crush, impact, and chemical resistance
- Breakout cable design with individual color-coded subcables protecting each optical fibre
- Crush resistant and resilient
- Helically stranded cable core for flexibility, deployment survivability and exceptional mechanical protection for the optical fibres
- Cables have been tested and are in use in military data communications applications worldwide
- Excellent for use in deployment/retrieval applications
- Can be used outdoors for temporary deployment directly on the ground in all terrains, including severe environments
- Suitable for industrial, mining and petrochemical environments - chemical resistant
- Round cable design for easy installation and survivability
- Ideally suited for use with MIL-C-38999 style military connectors - subcables terminate to individual "pins" and overall aramid strength member terminates to backshell
- 2.0mm subcables standard
- Tactical Polyurethane (C) outer jacket material is standard. Flame retardant (E), Flame retardant tactical (V) and low smoke zero halogen (G) outer jacket materials are available



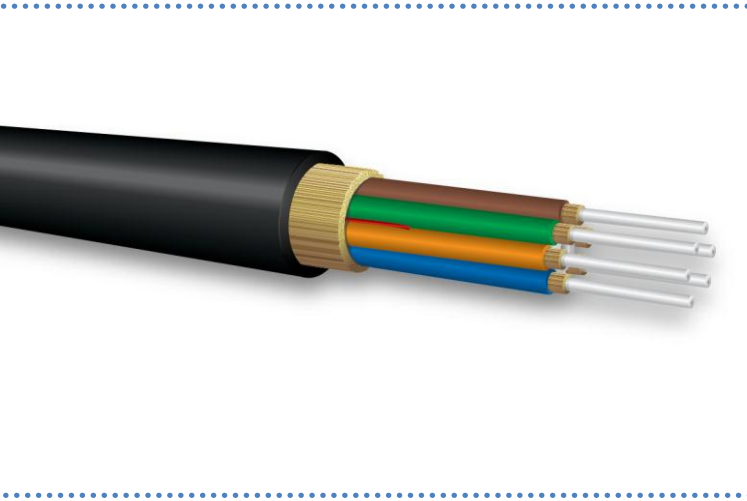
1. Optical Fibre
2. Acrylate Fibre Coating
3. 900µm Diameter Tight-Buffer
4. Aramid Strength Member
5. Colour-Coded Elastomeric Subcable Jacket
6. Core-Locked™ Tactical Polyurethane Jacket



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MIL-TAC CABLES – B SERIES



D-Series MIL-TAC

Operating Temperature	-55°C to +85°C
Storage Temperature	-70°C to +85°C
Crush Resistance	440 N/cm
Impact Resistance	200 impacts
Flex Resistance	2,000 cycles

Fiber Count	Diameter	Weight	Tensile Load		Minimum Bend Radius	
			Installation	Operational	Installation	Long Term
			N	N	cm	cm
	mm	kg/km	N	N	cm	cm
	(in)	(lbs/1,000)	(lbs)	(lbs)	(in)	(in)
2	6.5	36	2200	550	10.4	5.2
	-0.26	-24	-490	-120	-4.1	-2
4	7.5	47	2200	550	12	6
	-0.3	-32	-490	-120	-4.7	-2.4
6	8.5	56	2400	600	13.6	6.8
	-0.33	-37	-540	-130	-5.4	-2.7
8	10	75	3200	800	16	8
	-0.39	-51	-720	-180	-6.3	-3.1
10	11.5	100	4000	1000	18.4	9.2
	-0.45	-67	-900	-220	-7.2	-3.6
12	11	88	4800	1200	17.6	8.8
	-0.43	-59	-1080	-270	-6.9	-3.5
18	13.5	138	7200	1800	21.6	10.8
	-0.53	-93	-1620	-400	-8.5	-4.3
24	14.5	150	9600	2400	23.2	11.6
	-0.57	-101	-2160	-540	-9.1	-4.6

