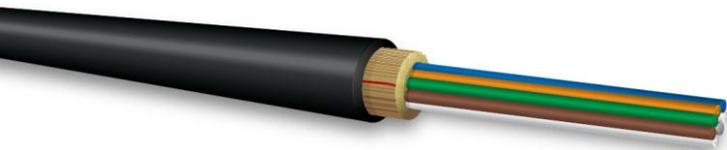


HARSH ENVIRONMENT

MIL-TAC CABLES – D SERIES

Tech Optics Ltd

Distributor of Fibre Optic Products



Ground-tactical cable 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
- Compact, round cable design for ease of transportation and deployment
- Designed for use in adverse environments where reduced size and weight are important
- 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
- 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
- Crush-resistant and resilient with a thick layer of aramid strength members
- Polyurethane jacketed for abrasion, cut and chemical resistance
- Most commonly used with ruggedized multiway military tactical field connectors, for maximum connector retention (400lbs)
- 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.

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

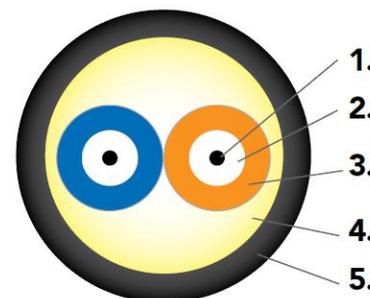
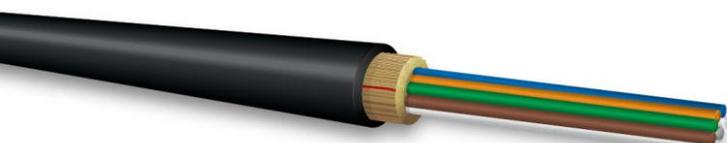


HARSH ENVIRONMENT

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

Fiber Count	Tensile Load				Minimum Bend Radius	
	Diameter	Weight	Installation	Operational	Installation	Long Term
	mm (in)	kg/km (lbs/1,000)	N (lbs)	N (lbs)	cm (in)	cm (in)
2	5	21	1800	600	8	4
	-0.2	-14	-400	-130	-3.1	-1.6
4	5.5	27	1800	600	8.8	4.4
	-0.22	-18	-400	-130	-3.5	-1.7
6	6	32	1800	600	9.6	4.8
	-0.24	-22	-400	-130	-3.8	-1.9
8	6.5	37	1800	600	10.4	5.2
	-0.26	-25	-400	-130	-4.1	-2
10	6.5	37	2100	700	10.4	5.2
	-0.26	-25	-470	-160	-4.1	-2
12	6.5	36	2100	700	10.4	5.2
	-0.26	-24	-470	-160	-4.1	-2
18	7.5	49	2400	800	12	6
	-0.3	-33	-540	-180	-4.7	-2.4
24	8.5	56	3000	1000	13.6	6.8
	-0.33	-38	-670	-220	-5.4	-2.7

