



Micro-Tactical Cable

AFL's new Micro-Tactical Fiber Optic Cable combines the ruggedness of military tactical cable designs with the ultra-high fiber density of AFL's micro-cable technology. Designed for rapid deployment in optical networks requiring high mechanical performance specifications, extreme environmental exposure, and highly dynamic operating conditions, the military grade micro-tactical cable is able to withstand high tensile loads, severe crushing forces, repeated impacts, and extreme temperatures. And with AFL's selection of tactical cable jacket materials, the cable can be used in applications requiring exposure to UV, moisture, industrial chemicals or confined spaces. With fiber counts up to 96, the micro-tactical from AFL is the highest fiber count military grade tactical cable available on the market today.

Features

- Highly flexible for rapid deployment and ease of installation
- Ruggedized tactical cable design for operating in harsh conditions
- High fiber density allows for longer deployment lengths
- Longer assembly lengths reduce number of optical connections and enhance network performance
- Supportive of all fiber types for high speed optical networking

Applications

- Broadcast
- Petrochemical
- Rail
- Mining
- Military

Performance Data—Testing per MIL PRF 85045

CHARACTERISTIC	PERFORMANCE
Operating Temperature	-46°C to +85°C
Storage Temperature	-55°C to +85°C
Crush Resistance	2000 N/cm of cable OD
Impact Resistance	50 per ANSI/TIA 455-25 Military Requirements
Flex Resistance	2000



**Rodent-deterrent Jacket
Option Available**

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Ordering Information

AFL NO.	FIBER COUNT	NOMINAL DIA.		NOMINAL WT.		MAXIMUM TENSILE LOAD		MINIMUM BEND RADIUS	
		INCHES	(MM)	LBS/1000FT	(KG/KM)	LBS (N)		INCHES (CM)	
						INSTALLATION	LONG TERM	INSTALLATION	LONG TERM
X%004*301#0Q:4	Up to 4	0.12	(3.0)	5.4	(8)	135 (600)	40 (178)	1.8 (4.5)	1.2 (3.0)
X%004*401#0Q:4	Up to 4	0.16	(4.0)	9.1	(13.5)	180 (800)	54 (240)	2.4 (6.0)	1.6 (4.0)
X%004*461#0Q:4	Up to 4	0.18	(4.6)	12.2	(18.1)	180 (800)	54 (240)	2.7 (6.9)	1.8 (4.6)
X%016*551#0Q:4	Up to 16	0.22	(5.5)	16.2	(25)	400 (1780)	130 (578)	2.2 (5.5)	1.1 (2.8)
X%024*611#0Q:4	Up to 24	0.24	(6.1)	22.2	(33)	400 (1780)	130 (578)	3.6 (9.2)	2.4 (6.1)
X%048*641#0Q:4	Up to 48	0.25	(6.4)	28.8	(44)	470 (2090)	160 (712)	2.5 (6.4)	1.3 (3.2)
X%096*851#0Q:4	Up to 96	0.33	(8.5)	38.7	(59)	670 (2980)	220 (979)	3.3 (8.5)	1.7 (4.3)

Replace percent (%) in AFL No. with corresponding jacket type below.

- 1 = Tactical Polyurethane
- 2 = Flame Retardant Polyurethane
- 3 = LSZH Polyurethane
- 4= StrataJac® Tactical+ Encapsulation

Replace asterisk (*) in AFL No. with corresponding fiber type below.

- 5 = 50/125 μm multimode GIGA-Link™ 600
- 6 = 62.5/125 μm multimode GIGA-Link™ 300
- 9 = Single-mode
- K = SM Futureguide SR-15e Bend Insensitive
- L = 50/125 μm OM3
- C = 50/125 μm OM4

Replace hashtag (#) in AFL No. with jacket color. See Tactical Cable Ordering Guide on page 23.

Customer specified print available.

See Tactical Cable Ordering Guide on page 23 for AFL No. designations.