

Tactical Breakout Cable

AFL's Tactical Breakout Cables are ideal for use in harsh environment applications requiring a rugged deployable cable solution. Consisting of 2 mm sub-cables, each optical fiber is suitable for direct termination enabling fast and easy installation. This reduced diameter, light weight and high strength cable features a tough abrasion resistant polyurethane jacket that offers exceptional performance through a wide range of temperatures. It is also impervious to common chemicals found in industrial environments. Available with a flame retardant jacket option, the BU series breakout cable is ideal for use in mines, petrochemical facilities and other industrial applications.

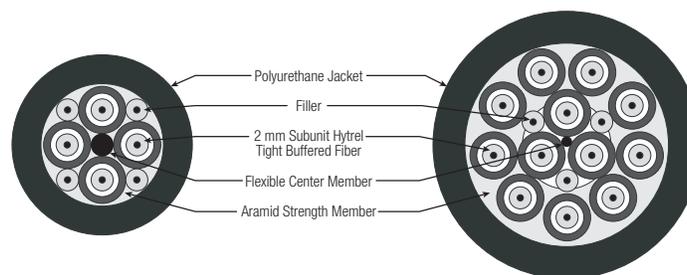
Features

- Deployable design
- UV, Fungus and water resistant
- Highly crush and impact resistant
- 2.0 mm sub-cables available in a variety of colors
- Available with shiny or matte low-friction jacket
- Custom colors available
- Available with bend insensitive SM and MM optical fiber
- Supports all multi-gigabit Ethernet standards
- Highly abrasion and cut resistant
- Resistant to most fuels, oils and greases
- Excellent low-temperature flexibility

Applications

- Field deployment in abusive environments
- High traffic areas
- Security and sensing applications
- Broadcast Deployments - Electronic News Gathering Applications
- Sporting and media events
- Temporary installation of critical communications lines where quick retrieval and re-use is necessary

Cable Components



Mechanical

PARAMETER	VALUE
Tensile	
Installation	2112 (475)
Operational	333 (75)



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Ordering Information

AFL NO.	FIBER COUNT	NOMINAL DIAMETER		NOMINAL WEIGHT		PHYSICAL PROPERTIES		MINIMUM BEND RADIUS inches (cm)
		inches	mm	lbs/1,000 ft	kg/km	CRUSH (N/cm)	IMPACTS	
B%002*201#XH	2	0.307	7.8	35	52	2000	200	3.1 (7.8)
B%002*201#XH-7.5	2	0.295	7.5	30	44	2000	200	3.0 (7.5)
B%004*201#XH	4	0.307	7.8	35	52	2000	200	3.1 (7.8)
B%004*201#XH-7.5	4	0.295	7.5	30	44	2000	200	3.0 (7.5)
B%006*201#XH	6	0.346	8.8	39	58	2000	200	3.5 (8.8)
B%008*201#XH	8	0.394	10.0	52	77	2000	200	4 (10)
B%012*201#XH	12	0.449	11.4	66	97	2000	200	4.5 (11.4)

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

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

500 µm primary coated fiber available, replace H in AFL number with number corresponding below.

- G = 500 µm Coated Optical Fiber
- H = 250 µm Coated Optical Fiber

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 = AFL Bend Insensitive SMF (ITU G.652.D/G.657.A1)
- 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 17.

Customer specified print available.

See Tactical Cable Ordering Guide on page 17 for AFL No. designations.

Qualifications

GOVERNING BODY	STANDARD CODE	COMPONENT
U.S. Department of Defense	MIL-PRF-85045	Fiber Optic Cable
ANSI/ICEA	ANSI/ICEA-S-104-696	Fiber Optic Cable
RoHS Compliant	Compliant	

Temperature Specifications

TEMPERATURE RANGE	
INSTALLATION	-50°C to +85°C
OPERATION	-55°C to +85°C
STORAGE	-60°C to +85°C

Contact AFL for further details.

Fiber Optic Cable