

Tactical Tight Buffered Cable

AFL Tactical Tight Buffered Cables are ideal for use in installations where extreme environmental conditions are present. Designed to be deployed and retrieved in the field, AFL's Tactical Tight Buffered Cables are highly resistant to damage caused by repeated impacts or harsh conditions.

Features

- Cut resistant, Flame Retardant Polyurethane outer jacket
- Highly flexible construction allows for multiple deployments
- All aramid strength members
- Performance in wide temperature range
- High impact and crush resistance
- Durable in high traffic areas
- MIL-PRF-46291 qualified fiber available
- Tested to meet or exceed EIA/TIA 568-B3, Telecordia GR-409-CORE, ANSI/CEA S-83-596, ANSI/CEA S-104
- Two and four-fiber cables designed to meet MIL-PRF-85045

Product Applications

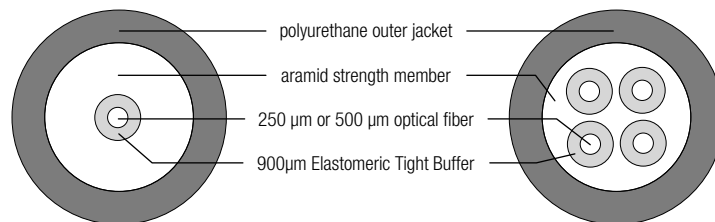
- Field deployment in abusive environments
- Temporary installation of critical communications lines where quick retrieval and re-use is necessary
- High Traffic areas
- Security and Sensing applications
- Broadcast deployments
- Installations in harsh environments

Temperature Range

Operating - 56°C to + 85°C

Installation - 20°C to + 85°C

Cable Components



Ordering Information

PART NUMBER	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
XU001★29180◆	1	0.12	(2.9)	5.4	(8)	250 (1112)	75 (334)	1.5 (3.8)	1.25 (3.2)
XU001★40180◆	1	0.16	(4.0)	10.1	(15)	275 (1223)	90 (400)	1.75 (4.4)	1.50 (3.8)
XU001★45180◆	1	0.18	(4.5)	11.4	(17)	275 (1223)	90 (400)	2.5 (6.4)	1.75 (4.4)
XU002★44180◆	2	0.17	(4.4)	10.8	(16)	300 (1335)	90 (400)	2.5 (6.4)	1.75 (4.4)
XU004★58180◆	4	0.23	(5.8)	21.5	(32)	375 (1668)	150 (667)	3.25 (8.3)	2.25 (5.7)

Note: Diameter and weight subject to change without notice

Replace asterisk (★) in part number with number corresponding below.

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

Replace diamond (◆) in part number with number corresponding to desired fiber type to desired tight buffer below.

U = 500μm Elastomeric Tight Buffer
H = 250μm Elastomeric Tight Buffer

Tactical Tight Buffered Cable

Reel Capacity

ITEM	REEL A	REEL B	REEL C
Reel Height (Inches)	16	24	30
Reel Outside Width (inches)	15	17	15.25
Drum Diameter (inches)	8	12	12
Reel Weight (lbs)	10	23	34
CAPACITY: meters (feet)			
2.9mm	2,000 (6,560)	4,500 (14,760)	—
4.0mm	1,100 (3,600)	3,500 (11,480)	4,500 (14,760)
4.5mm	850 (2,788)	2,500 (8,200)	4,500 (14,760)
4.4mm Dual	850 (2,788)	2,500 (8,200)	4,500 (14,760)
5.8mm	500 (1,640)	1,700 (5,575)	2,800 (9,184)