

Broadcast Deployable Tight Buffered Cable

AFL Broadcast Quality Tight Buffered Cables are ideal for use in installations where extreme environmental conditions are present. Designed to be deployed and retrieved in the field, these cables are highly resistant to damage caused by repetitive impact or harsh conditions.

Applications

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

Features

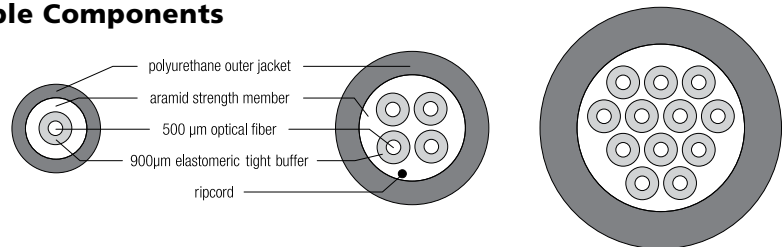
- Cut resistant polyurethane outer jacket
- Highly flexible construction allows for multiple deployments
- All aramid strength members
- Performance in wide temperature range
- High impact and crush resistance
- Durable in high traffic areas
- Water and UV resistant
- Multiple jacket colors available
- MSHA approval pending

Temperature Range

Operating - 46°C to + 85°C

Installation - 20°C to + 85°C

Cable Components



Specifications

CHARACTERISTIC	TEST PROCEDURE	PERFORMANCE
Tensile and elongation	EIA/TIA-455-33	
Operating tensile strength	EIA/TIA-455-33	
Low-temp flexibility	EIA/TIA-455-37	
Cyclic flexing	EIA/TIA-455-104	2000
Crush resistance	EIA/TIA-455-41	2000 N/cm
Impact	EIA/TIA-455-25	200
Temperature cycling	EIA/TIA-455-3	-46°C to 85°C
Temperature/humidity cycling	EIA/TIA-455-5 Method B	
Life aging	EIA/TIA-455-4	
Freezing water immersion	EIA/TIA-455-98	

Ordering Information

AFL NO.	FIBER COUNT	NOMINAL DIAMETER	WEIGHT LBS/1000FT (KG/KM)	TENSION LBS (N)		BENDING RADIUS	TEMPERATURE RANGE		
		INCHES (MM)		INSTALLATION	LONG TERM	INCHES (CM)	OPERATING	INSTALLATION	STORAGE
XU001★30180G-SH	1	.12 (2.9)	5.4 (8)	250 (1112)	66 (290)	1.2 (3.0)	-46°C to 85°C	-20°C to 85°C	-57°C to 85°C
XU002★58180G-SH	2	.23 (5.8)	21.5 (32)	325 (1450)	66 (290)	2.3 (5.8)			
XU004★58180G-SH	4	.23 (5.8)	21.5 (32)	325 (1450)	66 (290)	2.3 (5.8)			
XU006★61180G-SH	6	.24 (6.1)	21.5 (33)	325 (1450)	66 (290)	2.4 (6.1)			
XU012★70180G-SH	12	.28 (7.0)	31.7 (47)	394 (1750)	79 (350)	2.8 (7.0)			

Note: Diameter and weight subject to change without notice

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

5 = 50/125 µm multimode GIGA-Link™ 600

9 = Single-mode

6 = 62.5/125 µm multimode GIGA-Link™ 300

K = SM Futureguide SR-15e Bend Insensitive

* Other fiber types available.