

## Indoor/Outdoor Breakout Cable

AFL's Indoor/Outdoor Breakout Cables are perfectly suited for rugged applications and installations requiring increased performance. Available in 2 to 12 fiber counts, these cables feature a UV- and fungal-resistant semi-pressure extruded outer jacket. The individual sub-units measure 2.5 mm, allowing for ease of field termination, and use water-blocking aramid which further protects the tight-buffered fiber.

### Features

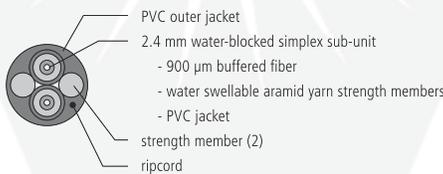
- Fungus, water and UV-resistant PVC jacket featuring SP extrusion technology
- Riser-rated with water-blocked sub-units
- Sub-units and tight buffer available in a variety of colors
- Tested to meet or exceed GR-409-CORE and ICEA-S-104-696
- Compliant to Directive 2002/95/EC (RoHS)
- MSHA approved for mining applications

### Applications

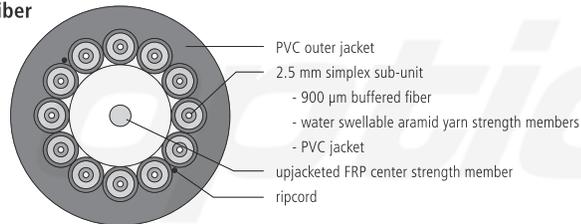
- Harsh Environment
- Mining
- Industrial
- Campus Environment

### Cable Components

#### 2-Fiber



#### 12-Fiber



### Fiber Specifications

CORE SIZE/ FIBER TYPE	ISO/ IEC	MAXIMUM ATTENUATION (DB/KM)			OVERFILL LAUNCH MIN. BANDWIDTH (MHZ•KM)		EMB <sub>c</sub> (MHZ•KM)	GIGABIT ETHERNET MIN. LINK DISTANCE (METERS)		10 GIGABIT ETHERNET MIN. LINK DISTANCE (METERS)	
		850 NM	1300 NM	1550 NM	850 NM	1300 NM		850 NM	1300 NM	850 NM	1300 NM
(6) 62.5 Giga-Link™ 300	OM1	3.5	1.2	N/A	200	600	N/A	300	550	32	—
(5) 50 Giga-Link™ 600	OM2	3.5	1.5	N/A	500	500	N/A	600	600	82	—
(A) 50 Laser-Link 150	OM2	3.0	1.2	N/A	700	500	950	800	550	150	—
(L) 50 Laser-Link 300	OM3	3.0	1.2	N/A	1500	500	2000	1000	550	300	—
(C) 50 Laser-Link 550	OM4	3.0	1.2	N/A	3500	550	4700	1040	550	550	—
(K) AFL G.657.A1 Single-mode	OS2	N/A	0.5	0.5	N/A	N/A	N/A	N/A	5000	N/A	10,000
(9) SM	OS2	N/A	0.5	0.5	N/A	N/A	N/A	N/A	5,000	N/A	10,000

### Temperature Specifications

TEMPERATURE RANGE	
INSTALLATION	-20°C to +70°C
OPERATING	-40°C to +70°C
STORAGE	-40°C to +70°C



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### Mechanical Data

AFL NO.	FIBER COUNT	NOMINAL DIAMETER	WEIGHT LBS/1000FT (KG/KM)	TENSION LBS (N)		BENDING RADIUS INCHES (CM)	
		INCHES (MM)		INSTALLATION	LONG TERM	INSTALLATION	LONG TERM
BX002★251##1	2	0.30 (7.5)	32 (49)	300 (1335)	150 (667)	3.8 (9.6)	2.5 (6.4)
BX004★251##1	4	0.32 (8.2)	37 (55)	450 (2000)	185 (825)	3.9 (9.9)	3.2 (8.1)
BX006★251##1	6	0.38 (9.6)	54 (80)	750 (3360)	375 (1680)	4.8 (12.2)	3.8 (9.7)
BX008★251##1	8	0.44 (11.1)	75 (111)	1000 (4450)	425 (1750)	6.6 (16.8)	4.4 (11.2)
BX012★251##1	12	0.57 (14.5)	165 (245)	1425 (6360)	570 (2535)	8.5 (21.6)	5.7 (14.5)

★ Fiber Types – Replace asterisk (★) in AFL number with number in the Fiber Specifications table on previous page.

# Outer Jacket Color – Replace hashtag (#) in AFL number with number in the Cable Jacket Color table below.

### Cable Jacket Color Options

1 - Blue	8 - Black
2 - Orange	9 - Yellow
3 - Green	A - Violet
4 - Brown	B - Rose
5 - Slate	C - Aqua
6 - White	K - Erika Violet (RAL 4003)
7 - Red	

### Cable Length - Reel Size

ITEM	REEL F
Reel Height (inches)	42
Reel Outside Width (inches)	36
Drum Diameter (inches)	23
Reel Weight (lbs)	148
<b>CAPACITY: METERS (FEET)</b>	
4 Fiber Breakout	2,500 / (8,200)
6 Fiber Breakout	2,500 / (8,200)
8 Fiber Breakout	2,500 / (8,200)
12 Fiber Breakout	1,600 / (5,250)

*fiber  
optic  
center*