

Ruggedized Indoor/Outdoor Breakout Cable

AFL Ruggedized Indoor/Outdoor Riser Breakout cable is suited for applications requiring a high performance fiber optic cable. Water-blocked and re-inforced with all-dielectric strength members within the core, this cable can withstand the rigors presented by higher end installations. Available in 2-12 fiber counts, these cables feature a UV- and Fungal-Resistant semi-pressure extruded outer jacket. Individual sub-units measure 2.5 mm, allowing for ease of field termination. Sub-units are also water-blocked adding to the overall protection of the fiber optic components from environmental damage.

Temperature Specifications

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

Features

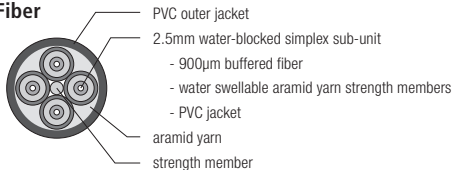
- Fungus, water and UV-resistant PVC jacket featuring SP extrusion technology
- Riser-rated with water-blocked sub-units
- Sub-units and tight buffer available in a variety of colors
- Tested to meet or exceed GR-409-CORE and ICEA-S-104-696
- Compliant to Directive 2002/95/EC (RoHS)
- MSHA approved for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

Applications

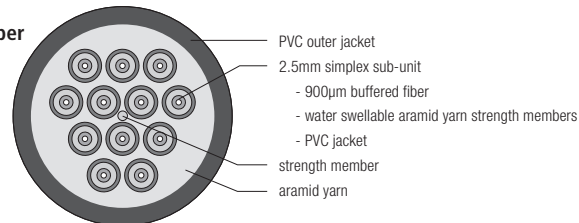
- Harsh Environment
- Mining
- Industrial
- Campus Environment

Cable Components

2 and 4 Fiber



12 Fiber



Fiber Specifications

CORE SIZE/FIBER TYPE	ISO/IEC	MAXIMUM ATTENUATION (DB/KM)			OVERFILL LAUNCH MIN. BANDWIDTH (MHZ•KM)		EMB _C (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
(5) 50 Giga-Link™ 600	OM2	3.5	1.5	N/A	500	500	N/A	600	600	82	—
(L) 50 Laser-Link 300	OM3	3.0	1.2	N/A	1,500	500	2,000	1,000	550	300	—
(C) 50 Laser-Link 550	OM4	3.0	1.2	N/A	3,500	500	4,700	1,040	550	550	—
(W) AFL Wideband Multimode	OM5	3.0	1.2	N/A	3,500	500	4,700	1,040	550	550	—
(9) Single-mode (ITU G.652.D/G.657.A1)	OS2	N/A	0.5	0.5	N/A	N/A	N/A	N/A	5,000	N/A	10,000



Ruggedized Indoor/Outdoor Breakout Cable

Mechanical Data

AFL NO.	FIBER COUNT	NOMINAL DIAMETER	WEIGHT	TENSION LBS (N)		BENDING RADIUS INCHES (CM)	
		INCHES (MM)	LBS/1000FT (KG/KM)	INSTALLATION	LONG TERM	INSTALLATION	LONG TERM
BM002★251##1	2	.34 (8.6)	49 (73)	300 (1334)	90 (400)	5.0 (12.6)	3.3 (8.4)
BM004★251##1	4	.34 (8.6)	49 (73)	300 (1334)	90 (400)	5.0 (12.6)	3.3 (8.4)
BM006★251##1	6	.40 (10.1)	69 (102)	300 (1334)	90 (400)	6.02 (15.3)	4.1 (10.2)
BM008★251##1	8	.46 (11.8)	93 (138)	300 (1334)	90 (400)	7.0 (18.0)	4.6 (11.8)
BM012★251##1	12	.51 (13.0)	95 (142)	300 (1334)	90 (400)	8.0 (20.0)	5.3 (13.5)

★ 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
CAPACITY: meters (feet)	
4 Fiber Breakout	1,500 /(5,000)
6 Fiber Breakout	1,500 /(5,000)
8 Fiber Breakout	1,500 /(5,000)
12 Fiber Breakout	1,500 /(5,000)

