

Indoor/Outdoor Low Smoke Zero Halogen Breakout Cable

AFL's Indoor/Outdoor Low Smoke Zero Halogen (LSZH) Breakout Cables are perfectly suited for rugged applications and installations requiring increased performance. LSZH-rated I/O Breakout cables are available from 2-24 count with variable sub-cable dimensions to support specific termination and routing requirements. These cables feature a durable IEC-compliant, zero halogen, UV and fungal resistant outer jacket. Sub-cables can be specified at 2.0 mm, 2.4 mm or 2.9 mm diameters to fit the specific application. Additional strength member is applied to specifically support wedge-style industrial termination schemes. Tested and qualified to the most stringent safety and performance standards, Low Smoke Zero Halogen Breakout cables can be deployed with confidence in the most demanding of conditions.

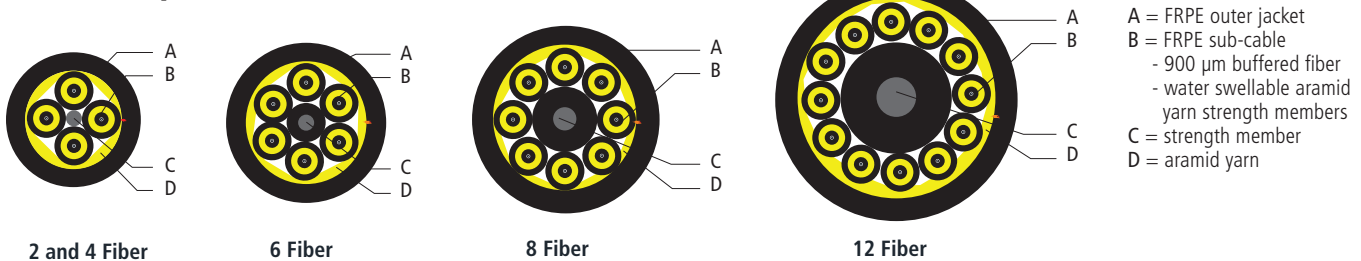
Features

- Fiber counts from 2-24
- Water-blocked sub-units
- Sub-units and tight buffer available in a variety of colors

Applications

- Harsh Environment
- Industrial
- Campus Environment

Cable Components



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	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



Indoor/Outdoor Low Smoke Zero Halogen Breakout Cable (cont.)

Mechanical Data

AFL NO.	UNITS	NOMINAL DIAMETER	WEIGHT	TENSION LBS (N)		BENDING RADIUS INCHES (CM)	
		INCHES (MM)	LBS/1000 FT (KG/KM)	INSTALLATION	LONG TERM	INSTALLATION	LONG TERM
BE002★201##E	2	.30(7.7)	42(62)	300(1334)	90(400)	4.5(11.4)	3.0(7.6)
BE004★201##E	4	.30(7.7)	42(62)	300(1334)	90(400)	4.5(11.4)	3.0(7.6)
BE006★201##E	6	.35(8.8)	54(81)	300(1334)	90(400)	5.2(13.2)	3.5(8.8)
BE012★201##E	12	.50(12.7)	115(171)	600(2667)	180(800)	7.5(19.0)	5.0(12.7)
BE024★201##E	24	.57(14.9)	140(208)	600(2667)	180(800)	8.8(22.4)	5.9(14.9)
BE002★241##E	2	.34(8.6)	50(75)	300(1334)	90(400)	5.0(12.7)	3.4(8.6)
BE004★241##E	4	.34(8.6)	50(75)	300(1334)	90(400)	5.0(12.7)	3.4(8.6)
BE006★241##E	6	.40(10.2)	70(104)	300(1334)	90(400)	6.0(15.3)	4.0(10.2)
BE012★241##E	12	.58(14.8)	154(230)	600(2667)	180(800)	8.7(22.2)	5.8(14.8)
BE024★241##E	24	.66(16.8)	183(273)	600(2667)	180(800)	9.9(25.2)	6.6(16.8)
BE002★301##E	2	.39(9.8)	62(93)	300(1334)	90(400)	5.8(14.7)	3.9(9.8)
BE004★301##E	4	.39(9.8)	62(93)	300(1334)	90(400)	5.8(14.7)	3.9(9.8)
BE006★301##E	6	.45(11.6)	87(130)	300(1334)	90(400)	6.8(17.3)	4.6(11.6)
BE012★301##E	12	.71(18.0)	217(323)	600(2667)	180(800)	10.6(27.0)	7.1(18.0)
BE024★301##E	24	.79(20.0)	245(365)	600(2667)	180(800)	11.8(30.0)	7.8(20.0)

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

* All jacket colors are UV stable and contain anti-fungal additive.
 For Best performance, AFL recommends Black Outer Jacket.



Typical Performance

Weathering	720 hrs	FOTP-89
Low/High Temp Bend	-20°C to 70°C	FOTP-37
External Freeze		FOTP-98
Cyclic Flex	2000 cycles	FOTP-104
Impact	1500 impacts	FOTP-25
Cold Impact	-20°C	FOTP-25
Crush Resistance	2200 N/cm	FOTP-41
Cable Twist		FOTP-85

Qualifications

GOVERNING BODY	STANDARD CODE
IEC	Regulatory
RoHS	2002/95/EC
EIA/TIA	See Typical Performance Table
ICEA	S-104-696
ISO	
ITU	
Telcordia	GR-409-CORE

Temperature Specifications

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

Contact AFL for further details.

Premise Cable