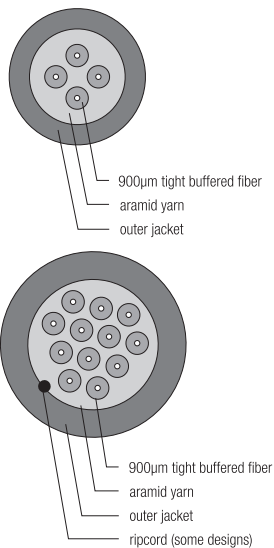


## Low Smoke Zero Halogen Distribution Cable

The Low Smoke Zero Halogen (LSZH) Distribution cable family from AFL offers all of the benefits of a traditional 900 µm based optical cable while supporting compliance to stringent international standards for jacket material composition and flame safety. Additionally, AFL's LSZH distribution cable design complies with UL 1666 and UL 1685 standards for OFNR-LS criteria. Circular Premise cable based on 900 µm tight buffer constructions provide the performance and density demanded by today's optical network installation demands. These cable designs support either direct or indirect termination schemes while enabling efficient routing through industry-standard Fiber Management Systems. Cable constructions support the application of Industry-leading multimode fiber as well as single-mode solutions. Both fiber configurations are available in bend-insensitive designs as well.

### Cable Components



### Features

- Tested to meet or exceed EIA/TIA-568, Telcordia GR-409-CORE Issue 2
- IEC 60332, IEC 60754, IEC 61034 Compliant
- UL 1666, UL 1685 Compliant (OFNR-LS)
- RoHS/REACH SVHC Compliant
- Mixed fiber designs available
- Bend-insensitive optical fiber available

### Applications

- Routing between communications closets and equipment rooms
- Data center trunk cabling
- LAN distribution/intrabuilding backbones
- Environments requiring zero-halogen safety features
- Pre-terminated optical assembly

### 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
(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



## Low Smoke Zero Halogen Distribution Cable (cont.)

### Mechanical Data

CABLE TYPE	AFL NO.	FIBER COUNT	NOMINAL DIAMETER	WEIGHT	TENSION		BENDING RADIUS	
					LBS (N)		INCHES (CM)	
	LSZH		INCHES (MM)	LBS/1000 FT (KG/KM)	INSTALLATION	LONG TERM	INSTALLATION	LONG TERM
QUAD-Link	UE004★481#OE	4	0.189 (4.8)	14 (21)	200 (890)	45 (198)	3.8 (9.6)	1.9 (4.8)
CPC	CE006★521#OE	6	0.205 (5.2)	17 (26)	200 (890)	45 (198)	4.1 (10.4)	2.1 (5.2)
	CE008★541#OE	8	0.213 (5.4)	19 (29)	200 (890)	45 (198)	4.3 (10.8)	2.2 (5.4)
	CE012★601#OE	12	0.236 (6.0)	26 (38)	200 (890)	45 (198)	4.8 (12.0)	2.4 (6.0)
	CE018★761#OE	18	0.299 (7.6)	39 (58)	300 (1320)	90 (396)	6.0 (15.2)	3.0 (7.6)
	CE024★821#OE	24	0.331 (8.4)	50 (75)	300 (1320)	90 (396)	6.5 (16.4)	3.3 (8.2)

★ 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	

### Temperature Specifications

TEMPERATURE RANGE	
INSTALLATION	-10°C to +60°C
OPERATING	-40°C to +70°C
STORAGE	-40°C to +70°C

### Maximum Cable Length - Reel Size

ITEM	FIBER BOX*	REEL A	REEL B	REEL C	REEL D
Reel/Box Height (inches)	15.13	16	24	30	34
Reel/Box Outside Width (inches)	13.0	15	17	15.25	21.25
Drum Diameter (inches)	8.0	8	12	12	12
Reel Weight (lbs)	6.0	10	23	34	44
<b>CAPACITY: METERS (FEET)</b>					
4 Fiber Quad-Link	305 (1,000)	1,000 (3,281)	3,200 (10,500)	5,000 (16,404)	—
6 Fiber CPC	305 (1,000)	1,200 (3,937)	3,800 (12,467)	5,000 (16,404)	—
8 Fiber CPC	305 (1,000)	1,000 (3,281)	3,200 (10,500)	5,000 (16,404)	—
12 Fiber CPC	305 (1,000)	800 (2,625)	2,400 (7,874)	4,000 (13,123)	5,000 (16,404)
18 Fiber CPC (single unit)	—	—	1,300 (4,265)	2,100 ( 6,890)	3,350 (11,000)
24 Fiber CPC (single unit)	—	—	1,000 (3,281)	1,700 ( 5,777)	3,150 (10,335)

\* Add suffix "—XMFBOX" to cable AFL number to specify "Fiber-In-A-Box" solution. "X" indicates length of cable in thousands of feet. Only available in standard lengths as indicated in chart above.

**EXAMPLE:** CE0049481001—3MFBOX

Would be the resulting AFL number for 3,000 feet of CE004★481001 cable with 9/125 μm single-mode fiber and the Fiber-In-A-Box solution. Refer to Fiber-In-A-Box data sheet.

