

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.

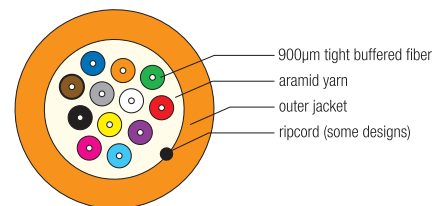
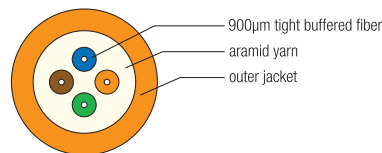
Features

- 900 µm tight buffer construction
- Fiber counts of 4 to 24 available
- Support either direct or indirect termination schemes
- Mixed fiber designs 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

Cable Components



Fiber Specifications

CORE SIZE/FIBER TYPE	ISO/IEC	MAX. ATTENUATION (dB/km)			OVERFILL LAUNCH MIN. BANDWIDTH (MHz•km)		EMBC (MHz•km)	GIGABIT ETHERNET MAX. LINK DISTANCE (meters)		10 GIGABIT ETHERNET MAX. 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	—
(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. LSZH	FIBER COUNT	NOMINAL DIAMETER inches (mm)	WEIGHT lbs/1000 ft (kg/km)	TENSION		BENDING RADIUS	
					lbs (N)		inches (cm)	
						INSTALLATION	LONG TERM	INSTALLATION
QUAD-Link	UE004★481#0E	4	0.189 (4.8)	14 (21)	200 (890)	45 (198)	3.8 (9.6)	1.9 (4.8)
CPC	CE006★521#0E	6	0.205 (5.2)	17 (26)	200 (890)	45 (198)	4.1 (10.4)	2.1 (5.2)
	CE008★541#0E	8	0.213 (5.4)	19 (29)	200 (890)	45 (198)	4.3 (10.8)	2.2 (5.4)
	CE012★601#0E	12	0.236 (6.0)	26 (38)	200 (890)	45 (198)	4.8 (12.0)	2.4 (6.0)
	CE018★761#0E	18	0.299 (7.6)	39 (58)	300 (1320)	90 (396)	6.0 (15.2)	3.0 (7.6)
	CE024★841#0E	24	0.331 (8.4)	50 (75)	300 (1320)	90 (396)	6.5 (16.4)	3.3 (8.4)

★ 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	

Qualifications

GOVERNING BODY	STANDARD CODE
EIA/TIA	568
Telcordia	GR-409-CORE Issue 2
IEC	60332, 60754, 61034
UL	1666, 1685 (OFNR-LS)
RoHS	2002/95/EC
REACH	SVHC

Temperature Specifications

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

Contact AFL for further details.