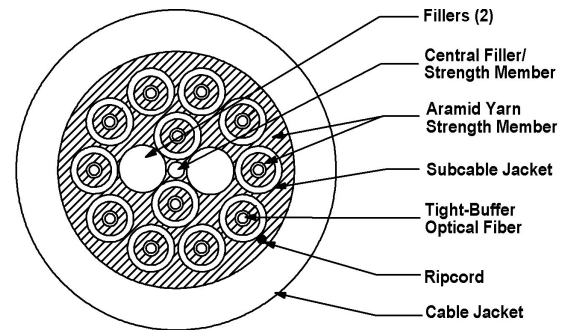


**Part #: BE012ZALE9KE-MABS**

**12 CHANNEL  
B-Series Breakout – LSZH ABS-Approved Cables**



Laser Ultra-Fox™ Fiber Performance	
Fiber Code	ALE
Industry Standard Designation	Laser Optimized OM4 Bend Insensitive ISO/IEC 11801
Core/Cladding Diameter (µm)	50/125
Numeric Aperture	0.20
Wavelength (nm)	850/1310
Gigabit Ethernet Distance (m)	1040/600
10-Gigabit Ethernet Distance (m)	550/300
Maximum Cabled Attenuation (dB/km)	3.0/1.0
Minimum Laser EMB Bandwidth (MHz-km)	4700/500
Minimum OFL LED Bandwidth (MHz-km)	3500/500
Primary Coating Diameter (µm)	245
Secondary Buffer Diameter (µm)	900
Proof Test Level (kpsi)	100

Mechanical and Environmental	
Impact Resistance EIA/TIA-455-25A	1500 impacts
Crush Resistance TIA/EIA-455-41A	2200 N/cm
Flex Resistance	2000 cycles
Operating Temperature	-40°C to +70°C
Storage Temperature	-40°C to +70°C
Installation Temperature (actual temp. of cable)	-20°C to +60°C
Flame Retardancy	UL Listed Type OFNR-ST1 (UL 266 & UL1685); IEC 60332-3-24; Zero Halogen: IEC60754-2; Smoke Generation: IEC 610034-2; ABS Type Approved: Certificate #21-2090810-PDA

Installation and Operating Characteristics		
	Installation	Operating
Max Tensile Load	4,800 N (1,800 lbs)	1,200 N (270 lbs)
Min Bend Radius	17.4 cm (6.9 in)	11.6 cm (4.6 in)

Cable Characteristics	
Jacket Color	
Jacket Material	Low Smoke Zero Halogen
Subunit OD	2.0 mm
Cable Weight	131 kg/km (88 lbs/1000')
Cable Diameter	11.6 mm ( 0.46 in)

## 12 CHANNEL

B-Series Breakout – LSZH ABS-Approved Cables

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### Standards

OCC B-Series Breakout Low-Smoke Zero-Halogen ABS-approved cables meet the functional requirements of the following standards:

- ABS Steel Vessels Rules
- ABS MODU Rules
- IEC 60332-3-24
- IEC 60754-2
- IEC 61034-2
- UL 1666 OFNR
- UL 1685 OFN-ST1
- MIL-C-24643
- ICEA-S-104-696
- TIA-568
- TIA-598

## Applications

- Marine and offshore tight-buffered cable design for use in installations requiring a flame-retardant, low-smoke and zero-halogen cable incorporating individual subcables for direct termination

## Features

- Zero-halogen construction meets IEC 60754-2
- Meets low-smoke requirements of UL 1685 and IEC 61034-2
- Flame-retardant per the requirements of IEC 60332-3-24 and UL 1666
- UL listed in accordance with NEC sections 770.179(b) for use in vertical runs in building riser shafts or from floor to floor
- ABS-approved for 2021 Steel Vessels Rules 1-1-4/7.7, 1-1- Appendix 3 1-1- Appendix 4, 4-8-3/9.1, 4-8-3/9.5 (I & II), 4-8-3/9.13
- ABS-approved for 2021 Mobile Offshore Drilling Units (MODU) Rules 1-1-4/9.7, 1-1-Appendix 2, 1-1-Appendix 3, 4-3-3/5.1, 4-3-3/5.21 & 5.23 4-3-4/7.1.1, 7.1.2, 7.1.6
- Suitable for indoor or outdoor applications
- Jacket is UV, fungus, and moisture resistant
- Round cable construction for easy handling and termination
- Includes ripcord for easy outer jacket removal
- Rugged cable for deck applications
- Breakout style cable with 2 to 24 fibers
- Optical fiber types include 62.5/125, 50/125, and single-mode
- Available with 500µm primary acrylate-coated fiber for maximum mechanical and environmental protection of the optical fiber