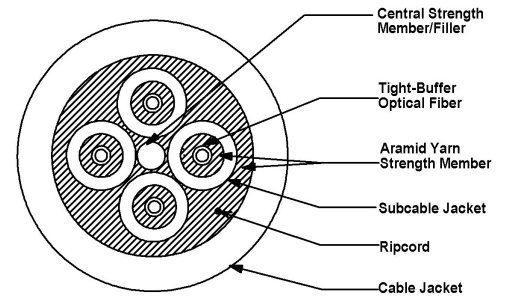


**Part #: BE004ZWLS9KE-MABS**

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



Laser Ultra-Fox™ Fiber Performance	
Fiber Code	WLS
Industry Standard Designation	OM1 ISO/IEC 11801
Core/Cladding Diameter (µm)	62.5/125
Numeric Aperture	0.275
Wavelength (nm)	850/1310
Gigabit Ethernet Distance (m)	300/600
10-Gigabit Ethernet Distance (m)	33/300
Maximum Cabled Attenuation (dB/km)	3.5/1.5
Minimum Laser EMB Bandwidth (MHz-km)	220/500
Minimum OFL LED Bandwidth (MHz-km)	200/500
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	1,600 N (360 lbs)	400 N (90 lbs)
Min Bend Radius	12.1 cm (4.8 in)	8.1 cm (3.2 in)

Cable Characteristics	
Jacket Color	
Jacket Material	Low Smoke Zero Halogen
Subunit OD	2.0 mm
Cable Weight	66 kg/km (44 lbs/1000')
Cable Diameter	8.1 mm ( 0.32 in)

4 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