



Product: [TM-3BB-006-LBA](#)

Marine, In+Outdoor, BO, OM3, 6f, Subunit 2.0mm, BBA, Dbl Jkt - LSZH, OFCR-ST1, ABS

Product Description

Marine Grade, Indoor/Outdoor, Breakout, OM3, 6 Fibers, Subunits 2.0mm 900um, Bronze Braid Armor, Double Jacket - LSZH, OFCR-ST1, ABS Approved

Technical Specifications

Product Overview

|                        |                                                                                                                             |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Product Category:      | Fiber Breakout Cable                                                                                                        |
| Suitable Applications: | Extended Distance Horizontal & Backbone Data/Telco Network, Noisy Environment, Indoor/Outdoor & Wet Locations, Rodent Proof |

Fiber Specifications

|                      |                               |
|----------------------|-------------------------------|
| Fiber Type:          | OM3                           |
| Fiber Core Diameter: | 50/125 µm                     |
| Fiber Diameter:      | 250 µm                        |
| Buffer Material:     | LSZH - Low Smoke Zero Halogen |
| Buffer Diameter:     | 900 µm                        |
| Fiber Count:         | 6                             |
| Fiber Color Coding:  | TIA-598-D                     |

Cable Construction

|                            |                            |
|----------------------------|----------------------------|
| Number of Active Subunits: | 6                          |
| Number of Fillers:         | 0                          |
| Fibers Per Subunit:        | 1                          |
| Subunit Waterblocking:     | Waterblocking Aramid       |
| Subunit Diameter:          | 0.078 in (2.0 mm)          |
| Subunit Color:             | Aqua                       |
| Subunit Strength Members:  | Waterblocking aramid yarns |
| Central Strength Member:   | GRP                        |
| Core Wrap:                 | Waterblocking tape         |

Inner Jacket Specifications

|                     |                                                 |
|---------------------|-------------------------------------------------|
| Strength Member:    | Waterblocking Aramid Yarns                      |
| Material:           | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| Nom. Diameter:      | 0.368 in (9.3 mm)                               |
| Color:              | Black                                           |
| Number of Ripcords: | 1                                               |

Armor Specifications

|                          |                          |
|--------------------------|--------------------------|
| Armor Type and Material: | BBA - Bronze Braid Armor |
|--------------------------|--------------------------|

Outer Jacket Specifications

|                  |                                                 |
|------------------|-------------------------------------------------|
| Jacket Material: | LSZH - Low Smoke Zero Halogen (Flame Retardant) |
| Nom. Diameter:   | 0.553 in (14.0 mm)                              |

Optical Characteristics

| Wavelength                             | 850 nm      | 1300 nm    |
|----------------------------------------|-------------|------------|
| Max. Attenuation                       | 3.0 dB/km   | 1.0 dB/km  |
| 1 Gigabit Ethernet Performance         | 1000 m      | 550 m      |
| 10 Gigabit Ethernet Performance        | 300 m       | -          |
| Min. Effective Modal Bandwidth (EMB)   | 2000 MHz.km | -          |
| Min. Overfilled Launch (OFL) Bandwidth | 1500 MHz.km | 500 MHz.km |

Mechanical Characteristics

|                                            |                         |
|--------------------------------------------|-------------------------|
| Min. Bend Radius During Installation:      | 20x Cable OD            |
| Min. Bend Radius During Operation:         | 10x Cable OD            |
| Max. Tensile Strength During Installation: | 2670 N (600 lbf)        |
| Max. Tensile Strength During Operation:    | 800 N (180 lbf)         |
| Crush Resistance:                          | 440 N/cm                |
| Bulk Cable Weight:                         | 191 lbs/kft (284 kg/km) |

Temperature Range

|                                 |                |
|---------------------------------|----------------|
| Installation Temperature Range: | -10°C to +60°C |
| Operating Temperature Range:    | -40°C to +70°C |
| Storage Temperature Range:      | -40°C to +70°C |

Standards and Compliance

|                                  |                                             |
|----------------------------------|---------------------------------------------|
| Environmental Suitability:       | Indoor/Outdoor, Sunlight Resistance, Burial |
| Flammability / Reaction to Fire: | OFCR-ST1, FT4                               |
| ICEA Compliance:                 | S-104-696                                   |
| IEEE Compliance:                 | IEEE 45, IEEE 1580 (braid only)             |
| Marine Compliance:               | ABS                                         |

History

|                      |                                                 |
|----------------------|-------------------------------------------------|
| Update and Revision: | Revision Number: 0.20 Revision Date: 11-14-2022 |
|----------------------|-------------------------------------------------|

Part Numbers

Variants

| Item #          | Color | Putup Type |
|-----------------|-------|------------|
| TM-3BB-006-LBAN | Black | Reel       |

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