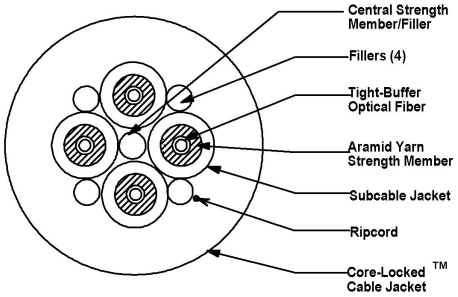
## Part #: BX004DALT9QR

4 CHANNEL
B-Series Breakout – Riser Rated Cables




| Laser Ultra-Fox™ Fiber Performance | |
|---|---|
| Fiber Code | ALT |
| Industry Standard Designation | Laser Optimized OM3 Bend Insensitive ISO/IEC 11801 |
| Core/Cladding Diameter (µm) | 50/125 |
| Numeric Aperture | 0.20 |
| Wavelength (nm) | 850/1310 |
| Gigabit Ethernet Distance (m) | 1000/600 |
| 10-Gigabit Ethernet Distance (m) | 300/300 |
| Maximum Cabled Attenuation (dB/km) | 3.0/1.0 |
| Minimum Laser EMB Bandwidth (MHz-km) | 2000/500 |
| Minimum OFL LED Bandwidth (MHz-km) | 1500/500 |
| Primary Coating Diameter (µm) | 245 |
| Secondary Buffer Diameter (µm) | 900 |
| Proof Test Level (kpsi) | 100 |

| Installation and Operating Characteristics | | |
|---|---|---|
| | Installation | Operating |
| Max Tensile Load | 2,000 N (450 lbs) | 800 N (180 lbs) |
| Min Bend Radius | 12.2 cm (4.8 in) | 8.3 cm (3.3 in) |

| Mechanical and Environmental | |
|---|---|
| Impact Resistance EIA/TIA-455-25A | 1,500 Impacts |
| Crush Resistance TIA/EIA-455-41A | 2,200 N/cm |
| Flex Resistance | 2,000 cycles |
| Operating Temperature | -40°C to +85°C |
| Storage Temperature | -55°C to +85°C |
| Installation Temperature (actual temp. of cable) | -10°C to +60°C |
| Flame Retardancy | UL Listed Type OFNR (UL 1666) and FT4 (CSA C22.2 No. 232) |

| Cable Characteristics | |
|---|---|
| Jacket Color | Aqua |
| Jacket Material | Indoor / Outdoor PVC |
| Buffer Material | PVC |
| Subunit OD | 2.5 mm |
| Cable Weight | 65 kg/km (44 lbs/1000') |
| Cable Diameter | 8.3 mm ( 0.33 in) |

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| Standards |
| --- |
| Optical Cable Corporation indoor/outdoor tight buffered fiber optic cables meet the functional requirement of the following standards:<br>• UL 1651<br>• UL 1666<br>• GR-409-CORE<br>• ICEA-S-104-696<br>• ICEA-S-83-596<br>• TIA-568<br>• TIA-598 |

## Applications

- Fiber Optic tray Cable: Suitable for use in cable trays
- Ideal for installations requiring an extremely rugged and reliable cable design where maximum mechanical and environmental protection are necessary
- Easiest cable to install where direct termination of the subcable to a connector and a direct run to panels and equipment are desired

### COST SAVINGS:

- Direct termination to subcable may eliminate the need for patch panels and patch cords and reduces connector loss
- 900 µm buffer eliminates the need for costly and time-consuming installation of fanout kits or pigtail splices because connectors terminate directly to the subcable
- High crush resistance may eliminate the need for innerduct

## Features

- High performance components and construction
- UL Listed in accordance with NEC sections 770.179(b) for use in vertical runs in building riser shafts or from floor to floor
- Most rugged and easy to install cable design for enterprise cabling applications
- Core-Locked™ outer jacket design for installation survivability and long-term,trouble free service
- Ideal for use in long, vertical installations
- 2.5mm subcables can be direct-terminated with standard connectors (2.0mm and 2.9mm subcables also available)
- Subcabled fiber is environmentally and mechanically protected
- Ideal for use in point-to-point runs in adverse environments
- Direct termination to subcable provides additional strain relief for better connector retention during moves, adds, and changes
- Design is ideal for direct pulling with mesh grips
- Cable materials are indoor/outdoor - UV, water and fungus resistant
- Wide operating temperature range of -40°C to +85°C
- High performance 900 µm tight-buffered coating on each optical fiber for environmental and mechanical protection
- Interlocking armor can be applied to cables as an alternative to conduit installation
- 2 to 72 fibers