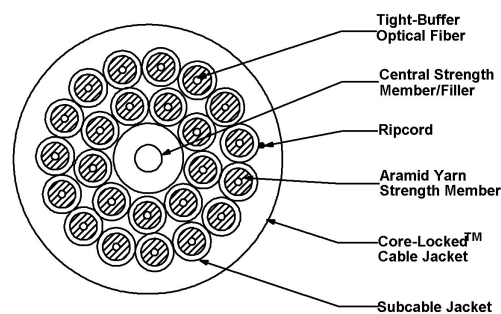


## Part #: BX024DWLS9KR

### 24 CHANNEL

### B-Series Breakout – Riser Rated Cables



| Laser Ultra-Fox™ Fiber Performance   |                      |
|--------------------------------------|----------------------|
| Fiber Code                           | WLS                  |
| Industry Standard Designation        | OM1<br>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                  |

| Installation and Operating Characteristics |                      |                   |
|--------------------------------------------|----------------------|-------------------|
|                                            | Installation         | Operating         |
| Max Tensile Load                           | 10,000 N (2,250 lbs) | 3,800 N (850 lbs) |
| Min Bend Radius                            | 26.5 cm (10.4 in)    | 17.6 cm (6.9 in)  |

\*Installation loads in excess of 2700 N (600 lbs.) are not recommended.

| Mechanical and Environmental                        |                                                           |
|-----------------------------------------------------|-----------------------------------------------------------|
| Impact Resistance<br>EIA/TIA-455-25A                | 1,500 Impacts                                             |
| Crush Resistance<br>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<br>(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          | Black                     |
| Jacket Material       | Indoor / Outdoor PVC      |
| Buffer Material       | PVC                       |
| Subunit OD            | 2.5 mm                    |
| Cable Weight          | 279 kg/km (188 lbs/1000') |
| Cable Diameter        | 17.6 mm ( 0.69 in)        |

24 CHANNEL  
B-Series Breakout – Riser Rated Cables

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#### Standards

Optical Cable Corporation indoor/outdoor tight buffered fiber optic cables meet the functional requirement of the following standards:

- UL 1651
- UL 1666
- GR-409-CORE
- ICEA-S-104-696
- ICEA-S-83-596
- TIA-568
- 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  $\mu$ m 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  $\mu$ m 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