

**Part #: BX006**

**6 CHANNEL**

**B-Series Breakout Riser Rated Cables**

Laser Ultra-Fox™ Fiber Performance	
Industry Standard Designation	Maximum Cabled Attenuation (dB/km)
Core/Cladding Diameter (µm)	Minimum Laser EMB Bandwidth (MHz-km)
Numeric Aperture	Minimum OFL LED Bandwidth (MHz-km)
Proof Test Level (kpsi)	100

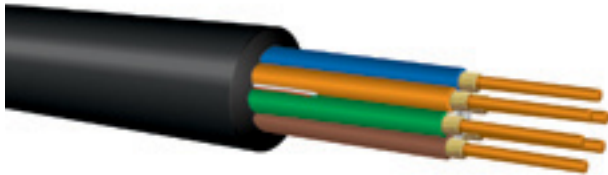
Installation and Operating Characteristics		
	Installation	Operating
Max Tensile Load	3,000 N (670 lbs)	1,200 N (270 lbs)
Min Bend Radius	14.4 cm (5.7 in)	9.6 cm (3.8 in)

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	
Jacket Material	
Buffer Material	PVC
Subunit OD	
Cable Weight	84 kg/km (56 lbs/1000')
Cable Diameter	9.6 mm ( 0.38 in)

6 CHANNEL  
B-Series Breakout Riser Rated Cables

Part #: **BX006**



### 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:

- 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  $\mu\text{m}$  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
- 2.0mm subcables can be direct-terminated with standard connectors (2.5mm 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  $-40^{\circ}\text{C}$  to  $+85^{\circ}\text{C}$
- High performance 900  $\mu\text{m}$  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