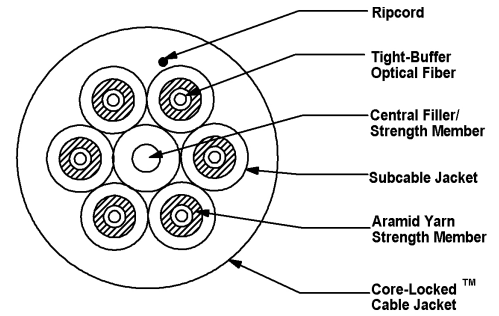


**Part #: BX006DWLS9KR**

**6 CHANNEL  
B-Series Breakout Riser Rated 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

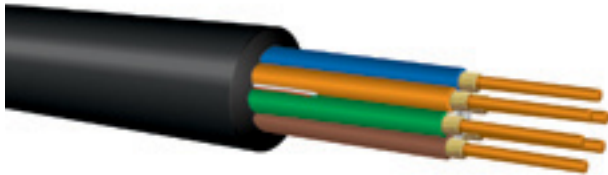
Installation and Operating Characteristics		
	Installation	Operating
Max Tensile Load	3,000 N (670 lbs)	1,200 N (270 lbs)
Min Bend Radius	14.4 cm (5.7 in)	9.6 cm (3.8 in)

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 N/cm
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	Black
Jacket Material	Indoor / Outdoor PVC
Buffer Material	PVC
Subunit OD	2.5 mm
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 #: **BX006DWLS9KR**



### 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

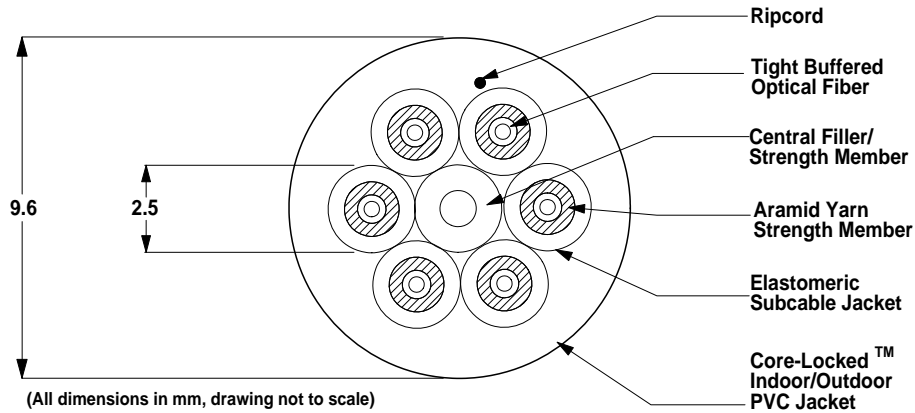
### Cost Savings:

- 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:

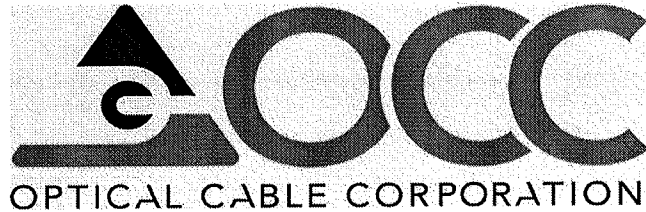
- High performance components and construction
- UL Listed in accordance with NEC sections 770.179(b) for use in vertical runs in building riser shafts or from floor to floor
- Most rugged and easy to install cable design for enterprise cabling applications
- Core-Locked™ outer jacket design for installation 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

«« PROPRIETARY INFORMATION OF OPTICAL CABLE CORPORATION »»  
 DETAIL DRAWING  
 6-CHANNEL  
 FIBER OPTIC BREAKOUT CABLE TYPE OFNR  
 OPTICAL CABLE CORPORATION P/N:  
**BX006DWLS9KR**  
**LASER ULTRA-FOX™**



Fiber Type	Multimode, OM1
Core Diameter	62.5 um
Cladding Diameter	125 um
Primary Coating Diameter (UV cured acrylate)	245 um
Secondary Buffer Diameter (PVC)	900 um
Numerical Aperture	0.275
Proof Test Level	100 kpsi
<u>Wavelength</u>	<u>850 nm</u> <u>1310 nm</u>
Gigabit Ethernet Distance	300 m                              600 m
Maximum Attenuation	3.5 dB/km                      1.5 dB/km
Minimum Laser Bandwidth	220 MHz-km                      500 MHz-km
Minimum LED Bandwidth	200 MHz-km                      500 MHz-km
Cable Weight	84 kg/km (56 lbs/1000')
Cable Diameter	9.6 mm (0.38 in)
<b>INSTALLATION:</b>	
MAX. TENSILE LOAD	3,000 N * (670 lbs)
MIN. BEND RADIUS	14.4 cm (5.7 in)
<b>OPERATING:</b>	
MAX. TENSILE LOAD	1,200 N (270 lbs)
MIN. BEND RADIUS	9.6 cm (3.8 in)
IMPACT RESISTANCE	1500 impacts
CRUSH RESISTANCE	2200 N/cm
OPERATING TEMPERATURE	-40°C to +85°C
STORAGE TEMPERATURE	-55°C to +85°C
INSTALLATION TEMPERATURE	-10°C to +60°C (actual temperature of cable)
FLAME RETARDANCY	U.L. Listed Type OFNR (1666)

\* INSTALLATION LOADS IN EXCESS OF 2,700 N (600 LBS) ARE NOT RECOMMENDED.



## RoHS Directive Certificate of Compliance

CUSTOMER: Industrial Electric Wire & Cab  
CUSTOMER ORDER NUMBER: 4500295181  
OCC SALES ORDER NUMBER: 237768  
SALES ORDER LINE NUMBER: 1  
OCC PART NUMBER: BX006DWLS9KR  
DATE ISSUED: 09/10/2012

Based on available information from raw materials suppliers or quantitative analytical data, where applicable, Optical Cable Corporation certifies that to the best of our knowledge the product(s) listed above do not contain declarable amounts of materials listed in Annex II of the European Commission Directive 2011/65/EU and known as the Restriction of the use of certain Hazardous Substances in electrical and electronic equipment (RoHS Directive recast).

The prescribed components, in levels above the specified maximum concentrations, are not normally present in the product(s) listed above nor are they added intentionally in the construction of the product(s), and any possible contamination with any listed material is unintentional. Accordingly, the listed components are judged not to be present in the composition so as to materially impact compliance with the RoHS Directive (recast).

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Fax: 540-265-0724  
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[www.occfiber.com](http://www.occfiber.com)

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USA