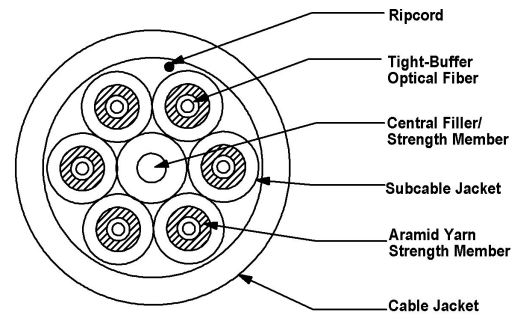


Part #: BX006KWLS90P

**6 CHANNEL
B-Series Breakout – Plenum 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	2,400 N (540 lbs)	600 N (130 lbs)
Min Bend Radius	11.2 cm (4.4 in)	11.2 cm (4.4 in)

Mechanical and Environmental	
Impact Resistance EIA/TIA-455-25A	1000 impacts
Crush Resistance TIA/EIA-455-41A	2100 N/cm
Flex Resistance	2000 cycles
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Installation Temperature (actual temp. of cable)	0°C to +60°C
Flame Retardancy	UL Listed Type OFNP (ANSI/NFPA 262) and FT6 (CSA C22.2 No. 232)

Cable Characteristics	
Jacket Color	
Jacket Material	Fluoropolymer
Buffer Material	Soft Plenum
Subunit OD	2.0 mm
Cable Weight	61 kg/km (41 lbs/1000')
Cable Diameter	7.4 mm (0.29 in)

6 CHANNEL
B-Series Breakout – Plenum Rated Cables

Part #: **BX006KWLS9OP**



Standards

Optical Cable Corporation Indoor/Outdoor tight-buffered fiber optic cables meet the functional requirement of the following standards:

- UL 1651
- ANSI/NFPA 262
- 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 required
- Installed in ducts, plenums, and air handling spaces
- 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 reduce connector loss
- 900 μ m buffer eliminates the need for costly and time-consuming installation of fanout kits or pigtail splices because connectors terminate directly to the fiber
- High crush resistance may eliminate the need for innerduct

Features

- High performance components and construction
- UL Listed in accordance with NEC sections 770.179(a) for use in ducts, plenums and air-handling spaces
- Most rugged and easy to install cable design for enterprise cabling applications
- Standard 2.0mm subcables can be directly terminated with standard connectors. 2.5mm and 2.9mm subcable sizes are 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 μ m tight-buffered coating on each optical fiber for environmental and mechanical protection
- Jacket highly chemical resistant for installation in harsh industrial environments
- Interlocking armor can be applied to cables as an alternative to conduit installation
- 2 to 48 fibers