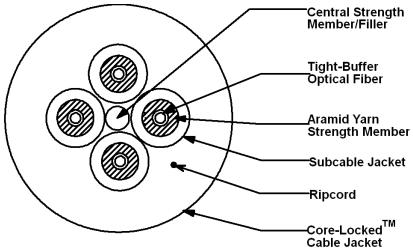
Part #: BX004DALS9KR

4 CHANNEL
B-Series Breakout – Riser Rated Cables



Laser Ultra-Fox™ Fiber Performance	
Fiber Code	ALS
Industry Standard Designation	Laser Grade OM2+ Bend Insensitive ISO/IEC 11908
Core/Cladding Diameter (µm)	50/125
Numeric Aperture	0.20
Wavelength (nm)	850/1310
Gigabit Ethernet Distance (m)	600/600
10-Gigabit Ethernet Distance (m)	82/300
Maximum Cabled Attenuation (dB/km)	3.5/1.5
Minimum Laser EMB Bandwidth (MHz-km)	510/500
Minimum OFL LED Bandwidth (MHz-km)	500/500
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	1500 impacts
Crush Resistance TIA/EIA-455-41	2200 N/cm
Flex Resistance TIA-455-104	2000 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	Indoor / Outdoor PVC
Buffer Material	2-Fiber Count - Hard Elastomeric; 4-72 Fiber Count - PVC
Subunit OD	2.5 mm
Cable Weight	65 kg/km (44 lbs/1000')
Cable Diameter	8.3 mm (0.33 in)

This specification is valid as of 08/08/23 18:37, however, the specification is subject to change at any time.

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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 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