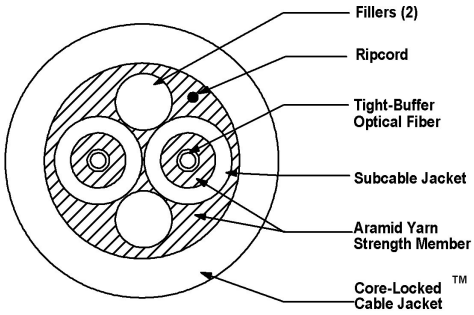
Part #: BX002CALT9KB

2 CHANNEL
B-Series Breakout – Field Broadcast Cables



Laser Ultra-Fox™ Fiber Performance	
Fiber Code	ALT
Industry Standard Designation	Laser Optimized OM3 Bend Insensitive ISO/IEC 11801
Core/Cladding Diameter (µm)	50/125
Numeric Aperture	0.20
Wavelength (nm)	850/1310
Gigabit Ethernet Distance (m)	1000/600
10-Gigabit Ethernet Distance (m)	300/300
Maximum Cabled Attenuation (dB/km)	3.0/1.0
Minimum Laser EMB Bandwidth (MHz-km)	2000/500
Minimum OFL LED Bandwidth (MHz-km)	1500/500
Primary Coating Diameter (µm)	245
Secondary Buffer Diameter (µm)	900
Proof Test Level (kpsi)	100

Installation and Operating Characteristics		
	Installation	Operating
Max Tensile Load	2,200 N (490 lbs)	550 N (120 lbs)
Min Bend Radius	10.4 cm (4.1 in)	5.2 cm (2.0 in)

Mechanical and Environmental	
Impact Resistance EIA/TIA-455-25A	1500 impacts
Crush Resistance TIA/EIA-455-41A	2100 N/cm
Flex Resistance	2000 cycles
Operating Temperature	-40°C to +85°C
Storage Temperature	-70°C to +85°C

Cable Characteristics	
Jacket Color	Black
Jacket Material	Polyurethane
Buffer Material	Hard Elastomeric
Subunit OD	2.0 mm
Cable Weight	36 kg/km (24 lbs/1000')
Cable Diameter	6.5 mm (0.26 in)

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Features

- Extremely strong, lightweight, rugged, survivable tight-buffered cables designed for broadcast field use and commercial applications
- Polyurethane jacketed for abrasion, cut, and chemical resistance
- Core-locked jacket for improved mechanical performance
- Breakout cable design with individual color-coded subcables protecting each optical fiber
- Crush resistant and resilient, with two separate layers or aramid strength members in the subcables for individual single-fiber connector and termination pin, and overall for termination to multiway connector backshells or other housings
- Helically stranded cable core for flexibility, survival in difficult pulls, and excellent mechanical protection for the optical fibers
- Cables have been tested and are in use in field broadcast data communications applications worldwide
- Can be used outdoors for temporary deployment directly on the ground, in all terrains,including severe environments
- Suitable for industrial, mining, and petrochemical environments; chemical resistant
- Round cable design for easy installation and survivability
- Often used with multiway military tactical connectors for maximum connector retention (400lbs.)
- Ideally suited for use with MIL-C-38999 style military connectors; subcables terminate to individual pins, and overall aramid strength member terminates to backshell
- 2.0mm subcables standard
- Tactical Polyurethane (C) outer jacket material is standard. Flame-Retardant Tactical (V) and Low-Smoke Zero-Halogen (G) outer jacket materials are available

OCC also offers:

- Broadcast cables pre-spooled on deployable reels for a ready-to-use product
- Broadcast cables can be pre-terminated with single fiber or ruggedized multi-channel connectors upon request