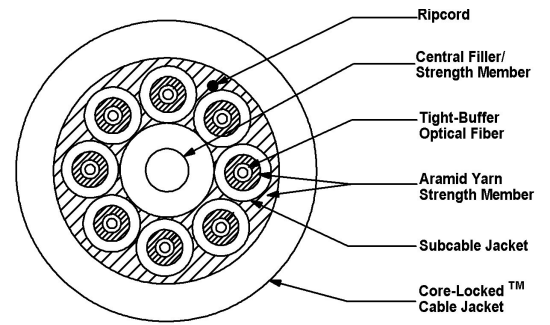


**Part #: B-008CALT5KM**

**8 CHANNEL  
B-Series Breakout – Mil-Tac Cables**



Ultra-Fox™ Plus Fiber Performance	
Fiber Code	ALT
Industry Standard Designation	Laser Optimized OM3 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)	3.5/1.5
Minimum Laser EMB Bandwidth (MHz-km)	2000/500
Minimum OFL LED Bandwidth (MHz-km)	1500/500
Primary Coating Diameter (µm)	500
Secondary Buffer Diameter (µm)	900
Proof Test Level (kpsi)	100

Installation and Operating Characteristics		
	Installation	Operating
Max Tensile Load	3,200 N (720 lbs)	800 N (180 lbs)
Min Bend Radius	10.0 cm (3.9 in)	5.0 cm (2.0 in)

Mechanical and Environmental	
Impact Resistance TIA-455-25	1500 impacts
Crush Resistance TIA-455-41	2200 N/cm
Flex Resistance TIA-455-104	2000 cycles
Operating Temperature	-55°C to +85°C
Storage Temperature	-70°C to +85°C

Cable Characteristics	
Jacket Color	
Jacket Material	Polyurethane
Buffer Material	Hard Elastomeric
Subunit OD	2.0 mm
Cable Weight	76 kg/km (51 lbs/1000')
Cable Diameter	10.0 mm ( 0.39 in)

8 CHANNEL  
B-Series Breakout – Mil-Tac Cables

**Part #: B-008CALT5KM**



## Applications

- Ground-tactical cables are ideal for use in harsh environments where deployment and retrieval for reuse is required
- Ideal for applications that require termination of the subcables to a connector

## Features

- Extremely strong, lightweight, rugged, survivable tight-buffered cables designed for military tactical 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 of aramid strength members in the subcables for individual single-fiber connector and termination pin, and overall for termination to multiway connector backshells or other housing
- Helically stranded cable core for flexibility, deployment survivability and exceptional mechanical protection for the optical fibers
- Cables have been tested and are in use in military 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
- Ideally suited for use with MIL-C-38999 style military connectors - subcables terminate to individual pins and overall aramid strength member terminates to backshell
- 2.0 mm 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
- Ultra-Fox Plus fiber used for the ultimate environmental and mechanical protection

## OCC PROVIDED OPTIONS

- Mil-Tac cables prespooled on deployable reels for a ready-to-use product
- Mil-Tac cables can be pre-terminated with single-fiber or ruggedized multichannel connectors upon request