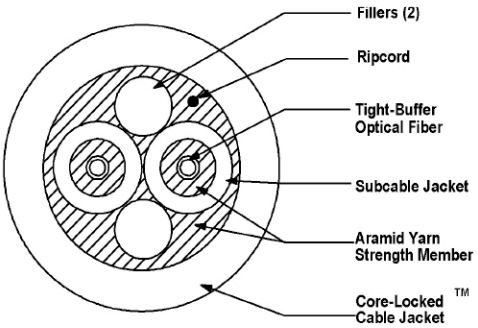
OPTICAL CABLE CORPORATION

2 CHANNEL
B-Series Breakout Field Broadcast Cables



Laser Ultra-Fox™ Fiber Performance	
Fiber Code	SLA
Industry Standard Designation	Bend Insensitive Low Water Peak Single Mode ITU-T G.657.A1 and ITU-T G.652.D
Core/Cladding Diameter (μm)	9/125
Wavelength (nm)	1310/1550
Maximum Cabled Attenuation (dB/km)	0.5/0.5
Primary Coating Diameter (μm)	245
Secondary Buffer Diameter (μm)	900
Zero Dispersion Slope (ps/nm^2-km)	0.092
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	1,500 Impacts
Crush Resistance TIA/EIA-455-41A	2,100 N/cm
Flex Resistance	2,000 N/cm
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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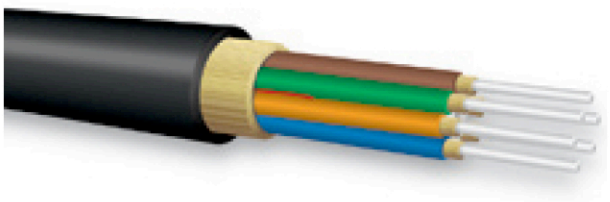

Applications:

- Deployable cable that is ideal for harsh environments where deployment and retrieval for reuse are required for temporary broadcast networks

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 indivivual 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 miltiway 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