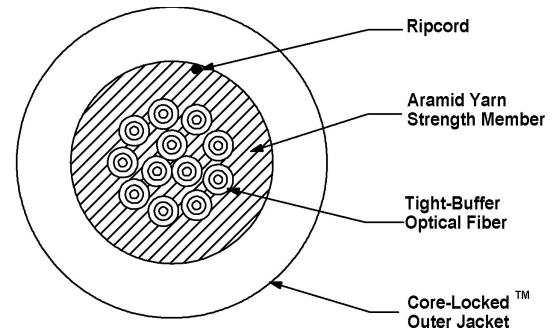


Part #: DX012CALE9KB

**12 CHANNEL
DX-Series Distribution – Field Broadcast Cables**



Laser Ultra-Fox™ Fiber Performance	
Fiber Code	ALE
Industry Standard Designation	Laser Optimized OM4 Bend Insensitive ISO/IEC 11801
Core/Cladding Diameter (µm)	50/125
Numeric Aperture	0.20
Wavelength (nm)	850/1310
Gigabit Ethernet Distance (m)	1040/600
10-Gigabit Ethernet Distance (m)	550/300
Maximum Cabled Attenuation (dB/km)	3.0/1.0
Minimum Laser EMB Bandwidth (MHz-km)	4700/500
Minimum OFL LED Bandwidth (MHz-km)	3500/500
Primary Coating Diameter (µm)	245
Secondary Buffer Diameter (µm)	900
Proof Test Level (kpsi)	100

Mechanical and Environmental	
Impact Resistance EIA/TIA-455-25A	1500 impacts
Crush Resistance TIA/EIA-455-41A	1800 N/cm
Flex Resistance	2000 cycles
Operating Temperature	-40°C to +85°C
Storage Temperature	-70°C to +85°C

Cable Characteristics	
Jacket Color	
Jacket Material	Polyurethane
Buffer Material	Hard Elastomeric
Cable Weight	41 kg/km (28 lbs/1000')
Cable Diameter	6.5 mm (0.26 in)

Installation and Operating Characteristics		
	Installation	Operating
Max Tensile Load	2,100 N (470 lbs)	700 N (160 lbs)
Min Bend Radius	6.5 cm (2.6 in)	3.3 cm (1.3 in)

12 CHANNEL
DX-Series Distribution – Field Broadcast Cables

Part #: DX012CALE9KB



Applications

- Deployable cable that is ideal for use in harsh environments where deployment and retrieval for reuse are required

Features

- Extremely strong, lightweight, rugged, survivable tight-buffered cables are designed for broadcast field use and commercial applications
- Compact, round cable design for ease of transportation and deployment
- Core-locked[®] jacket for improved mechanical performance
- Designed for use in adverse environments where reduced size and weight are important
- Helically stranded cable core for flexibility, survival in difficult pulls, and exceptional mechanical protection for the optical fibers
- Cables have been tested and are in use in 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
- Crush resistant and resilient with a thick layer of aramid strength members
- Polyurethane jacketed for abrasion, cut and chemical resistance
- Most commonly used with ruggedized multiway military tactical field connectors, for maximum connector retention (400lbs.)
- Tactical Polyurethane (C) outer jacket materials is standard; Flame-Retardant Tactical (V) and Low-Smoke Zero-Halogen (G) outer jacket materials are available

OCC PROVIDED OPTIONS

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