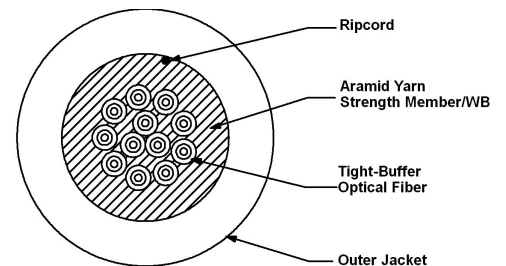


Part #: DX012DALE9QR

12 CHANNEL

DX-Series Distribution – Riser Rated 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

Installation and Operating Characteristics

	Installation	Operating
Max Tensile Load	2,700 N (600 lbs)	600 N (135 lbs)
Min Bend Radius	9.8 cm (3.9 in)	6.5 cm (2.6 in)

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	-55°C to +85°C
Installation Temperature (actual temp. of cable)	-10°C to +60°C
Flame Retardancy	UL listed type OFNR (UL 1666) for all fiber counts *FT4 (CSA C22.2 No. 232) for 2-24 fiber counts only

Cable Characteristics

Jacket Color	
Jacket Material	Indoor / Outdoor PVC
Buffer Material	PVC for 4- to 24-fiber counts. For all other fiber counts, please contact OCC Sales.
Cable Weight	38 kg/km (25 lbs/1000')
Cable Diameter	6.5 mm (0.26 in)

12 CHANNEL

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Standards

Optical Cable Corporation's Indoor/Outdoor tight-buffered fiber optic cables meet the functional requirements of the following standards:

- UL 1651
- UL 1666
- GR-409-CORE
- ICEA-S-104-696
- ICEA-S-83-596
- TIA-568
- TIA-598
- UL-listed type OFNR in accordance with NEC sections 770-179 (B) and 770-154 (B) for use in vertical runs in building riser shafts or from floor to floor. Meets or exceeds requirements for intra-building fiber optic cables as outlined in GR-409-CORE.

Applications

- Indoor/Outdoor tight-bound tight-buffered design allows cables to be installed in intra-building backbone and inter-building campus locations without costly transitions between cable types
- Ideal configuration for a single termination point requiring multiple fibers

COST SAVINGS

- 900 µm buffer eliminates the need for costly and time-consuming installation of fanout kits or pigtail splices because connectors terminate directly to the fiber
- No need to splice outdoor cable to indoor cable at building entrance
- High crush resistance may eliminate the need for innerduct

Features

- High performance components and construction
- Cable materials are indoor/outdoor - UL-listed OFNR and UV, water and fungus resistant
- UL Listed in accordance with NEC section 770.179(b) for use in vertical runs in building riser shafts or from floor to floor
- Wide operating temperature range of -40°C to +85°C
- Helically stranded core for greater flexibility and mechanical protection of the optical fibers
- High strength-to-weight ratio
- 2-144 fiber configuration is smaller and lighter than comparable sub-grouped cables made by others: ideal for installation in areas with limited space or tight bends
- Can be armored for additional protection in direct burial and aerial installations
- Interlocking armor can be applied to cables as an alternative to conduit installation