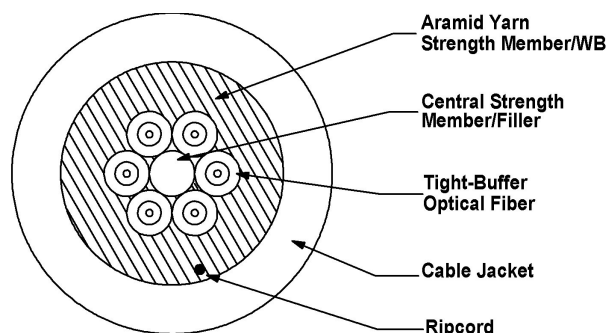


## Part #: DX006DALS9OR

### 6 CHANNEL

### DX-Series Distribution – Riser Rated Cables



#### Laser Ultra-Fox™ Fiber Performance

Fiber Code	ALS
Industry Standard Designation	Laser Grade OM2+ Bend Insensitive ISO/IEC 11908
Core/Cladding Diameter (µm)	50/125
Numeric Aperture	0.20
Wavelength (nm)	850/1310
Gigabit Ethernet Distance (m)	600/600
10-Gigabit Ethernet Distance (m)	82/300
Maximum Cabled Attenuation (dB/km)	3.5/1.5
Minimum Laser EMB Bandwidth (MHz-km)	510/500
Minimum OFL LED Bandwidth (MHz-km)	500/500
Primary Coating Diameter (µm)	245
Secondary Buffer Diameter (µm)	900
Proof Test Level (kpsi)	100

#### Installation and Operating Characteristics

	Installation	Operating
Max Tensile Load	1,400 N (310 lbs)	450 N (100 lbs)
Min Bend Radius	8.6 cm (3.4 in)	5.7 cm (2.2 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)

#### Cable Characteristics

Jacket Color	Orange
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	31 kg/km (21 lbs/1000')
Cable Diameter	5.7 mm ( 0.22 in)

## 6 CHANNEL

DX-Series Distribution – Riser Rated Cables

**Part #: DX006DALS9OR**



### 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