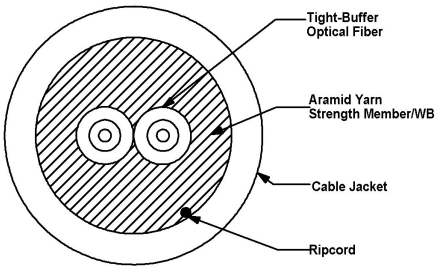
Part #: DX002DWLS9KR

2 CHANNEL
DX-Series Distribution – Riser Rated Cables



Laser Ultra-Fox™ Fiber Performance	
Fiber Code	WLS
Industry Standard Designation	OM1 ISO/IEC 11801
Core/Cladding Diameter (µm)	62.5/125
Numeric Aperture	0.275
Wavelength (nm)	850/1310
Gigabit Ethernet Distance (m)	300/600
10-Gigabit Ethernet Distance (m)	33/300
Maximum Cabled Attenuation (dB/km)	3.5/1.5
Minimum Laser EMB Bandwidth (MHz-km)	220/500
Minimum OFL LED Bandwidth (MHz-km)	200/500
Primary Coating Diameter (µm)	245
Secondary Buffer Diameter (µm)	900
Proof Test Level (kpsi)	100

Installation and Operating Characteristics		
	Installation	Operating
Max Tensile Load	660 N (150 lbs)	180 N (40 lbs)
Min Bend Radius	7.3 cm (2.9 in)	4.8 cm (1.9 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	22 kg/km (14 lbs/1000')
Cable Diameter	4.8 mm (0.19 in)

This specification is valid as of 04/05/23 20:06, however, the specification is subject to change at any time.

2 CHANNEL
DX-Series Distribution – Riser Rated Cables

Part #: DX002DWLS9KR

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

This specification is valid as of 04/05/23 20:06, however, the specification is subject to change at any time.