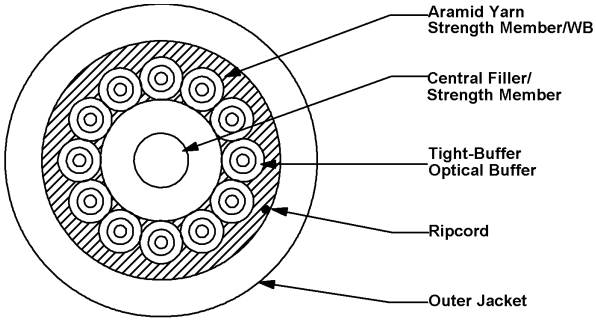
Part #: DX012KWLS9OP

12 CHANNEL
D-Series Distribution Plenum 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	2,700 N (600 lbs)	900 N (200 lbs)
Min Bend Radius	9.8 cm (3.9 in)	9.8 cm (3.9 in)

Mechanical and Environmental	
Impact Resistance EIA/TIA-455-25A	1000 (EIA/TIA-455-25A)
Crush Resistance TIA/EIA-455-41A	1500(TIA/EIA-455-41A)
Flex Resistance	1000 (TIA/EIA-455-104A)
Operating Temperature	-40°C to +85°C
Storage Temperature	-40°C to +85°C
Installation Temperature (actual temp. of cable)	0°C to +60°C
Flame Retardancy	UL Listed TypeOFNP (ANSI/NFPA 262) and FT6 (CSA C22.2 No. 232)

Cable Characteristics	
Jacket Color	Orange
Jacket Material	Fluoropolymer
Buffer Material	Soft Plenum
Cable Weight	45 kg/km (30 lbs/1000')
Cable Diameter	6.5 mm (0.26 in)

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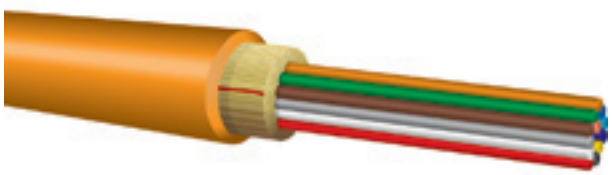

Standards
Optical Cable Corporation indoor/outdoor tight buffered fiber optic cables meet the functional requirements of the following standards: • UL 1651 • ANSI/NFPA 262 • GR-409-CORE • ICEA-S-104-696 • ICEA-S-83-596 • TIA-568 • TIA-598 • UL-listed type OFNP in accordance with NEC sections 770-179 (A) and 770-154 (A) for use in ducts, plenums, and air-handling spaces. Meets or exceeds requirements for intra-building fiber optic cables as outlined in GR-409-CORE.

Applications:

- Used in trunking, LAN and distribution applications where small size, lightweight, and versatile installation capability are required for ducts, plenums, and air handling spaces
- Ideal configuration for a single termination point requiring multiple fibers

Features:

- High performance components and construction
- High specific strength-to-weight ratio and compact cable design for limited conduit space and tight bends in long cable pulls
- Helically stranded core for flexibility, survival in difficult installations, and mechanical protection for the fibers
- Lower installed cost
- High performance tight-buffered coating on each fiber for environmental and mechanical protection
- High crush resistance may eliminate the need for innerduct
- 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.
- UL Listed in accordance with NEC section 770.179(a) for use in ducts, plenums and air-handling spaces

Indoor ("S" Jacket)

- Indoor-only flexible flame retardant plenum jacketed cables available
- 2 to 12 fibers
- Can have interlocking armor applied to cables as an alternative to conduit installation

Indoor/Outdoor ("K" Jacket)

- Indoor/Outdoor plenum cables eliminate the need for costly cable transitions in different installation environments
- Cable materials are UV, water and fungus resistant
- Higher fiber counts available than similar cables available by others in subgrouped configuration

- Jacket is highly chemical resistant for installation in harsh industrial environments
- Interlocking armor can be applied to cables as an alternative to conduit installation
- Can be installed outside and in plenum or riser pathways inside, eliminating the need to transition cable types between environments
- 2 to 72 fiber configuration is smaller and lighter than comparable sub-grouped cables, which is ideal for installation in areas with limited space or tight bends