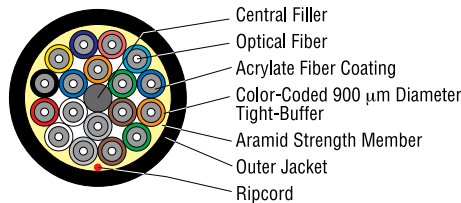


DX-Series Distribution Cables



Standards List

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

- ANSI X3T9.5 PMD
- ATM 155 Mb/s
- Fibre Channel FC-PH
- GR-409-CORE
- ICEA-S-83-596
- ICEA-S-87-640
- ICEA-S-104-696
- TIA-568
- TIA-598-B
- TIA-758 (water-blocked cables)

UL-listed type OFNR in accordance with NEC sections 770-51 (b) and 770-53 (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.

UL-listed type OFNP in accordance with NEC sections 770-51 (a) and 770-53 (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.



See page 50 for complete OptiReel™ details.

Features and Applications

- Used in trunking, LAN and distribution applications where small size, lightweight, and versatile installation capability are required
- Suitable for both indoor and outdoor use – no need to splice outdoor cable to indoor cable at the building entrance
- Flame-retardant for indoor installations
- Fungus-resistant, water-resistant and UV-resistant for outdoor use
- Cable can be armored for additional protection in direct burial and aerial installations
- Highest specific strength-to-weight ratio and compact cable design for limited conduit space and tight bends in long cable pulls
- Helically stranded cable core for flexibility, survival in difficult pulls, and mechanical protection for the optical fibers
- Lower total installed costs
- Economical for longer distance runs where size and cable cost are more significant
- High performance tight-buffered coating on each optical fiber for environmental and mechanical protection
- 2 to 144 fibers without subgrouping for the most size efficient tight-buffered fiber optic cable available. Higher fiber counts are available upon request.
- Water-blocked D-Series and DX-Series Cables contain super-absorbent-polymer coated yarn that swells upon exposure to water

General Characteristics for DX-Series Distribution Cables

	RISER	PLENUM (Page 12)
Minimum Bend Radius:		
Under Installation	15X outside diameter	15X outside diameter
Tensile Load		
Under Long-Term	10X outside diameter	10X outside diameter
Tensile Load		(15X outside diameter for hard fluoropolymer (K) outer jacket)
Operating Temperature	-40°C to +85°C	-20°C to +85°C (S) -40°C to +85°C (K)
Storage Temperature	-55°C to +85°C	-40°C to +85°C
Crush Resistance	1,800 N/cm	1,500 N/cm
Impact Resistance	1,500 impacts	1,000 impacts
Flex Resistance	2,000 cycles	1,000 cycles

These specifications are subject to change without prior notification.

Available from: