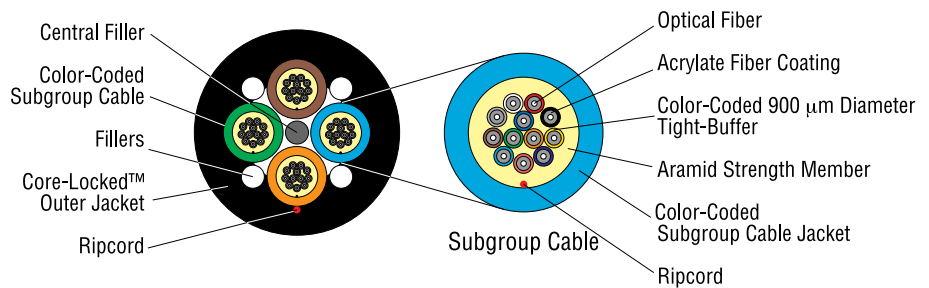


GX-Series Subgrouping Cables



Features and Applications

- Tight-buffered multifiber cable design allows subcables to be routed to multiple locations such as in wiring racks or wiring closets
- Core-Locked™ outer jacket surrounds the subcables for excellent crush resistance, survivability and use in long vertical installations
- Multifiber color-coded subcables, each similar to the DX-Series Distribution Cable
- Best design for multimode and single-mode fiber hybrid/composite cables (See part number note on page 24.)
- Color-coded subcables are easy to identify for improved cable management in routing and termination
- Helically stranded cable core for flexibility, survival in difficult pulls, and mechanical protection for the optical fibers
- Cable ideal for direct pulling with wire mesh grips
- High performance tight-buffered coating on each optical fiber for environmental and mechanical protection
- 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
- Subgroup cables of GX-Series plenum cables are individually plenum-rated and can be UL plenum labeled
- 12 to 288 fibers in various subgroup cable sizes, higher fiber counts available upon request
- Water-blocked G-Series and GX-Series Cables contain super-absorbent-polymer coated yarn that swells upon exposure to water

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.

General Characteristics for GX-Series Subgrouping Cables

	RISER	PLENUM (Page 16)
Minimum Bend Radius:		
Under Installation	15X outside diameter	15X outside diameter
Tensile Load		
Under Long-Term	10X outside diameter	15X outside diameter
Tensile Load		
Operating Temperature	-40°C to +85°C	-40°C to +85°C
Storage Temperature	-55°C to +85°C	-40°C to +85°C
Crush Resistance	2,100 N/cm	2,100 N/cm
Impact Resistance	1,500 impacts	1,500 impacts
Flex Resistance	2,000 cycles	2,000 cycles

These specifications are subject to change without prior notification.