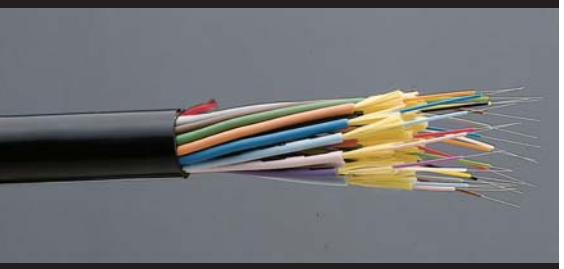
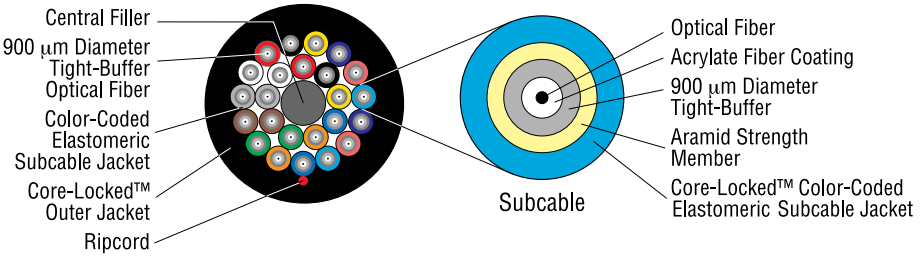
BX-Series Breakout Cables





Features and Applications

- Most rugged and "installer friendly" cable design for Local Area Networks
- For installations where ease of termination and termination costs are important factors
- Short and moderate distance links between buildings or within a building, where multiple termination points are needed
- Core-Locked™ outer jacket design for installation survivability, long-term, trouble-free service and use in long, vertical installations
- Subcables are designed for direct termination with standard connectors
- Cable ideal for direct pulling with wire mesh grips
- Helically stranded cable core for flexibility, survival in difficult pulls, and mechanical protection for the optical fibers
- 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
- High performance tight-buffered coating on each optical fiber for environmental and mechanical protection
- Elastomeric jacket encases each optical fiber and surrounding aramid strength members to provide a ruggedized subcable
- 2 to 108 fibers, higher fiber counts are available upon request
- Water-blocked B-Series and BX-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 cable)

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 BX-Series Breakout Cables

	RISER	PLENUM (Page 20)
Minimum Bend Radius:		
Under Installation Tensile Load	15X outside diameter	15X outside diameter
Under Long-Term Tensile Load	10X outside diameter	15X outside diameter
Operating Temperature	-40ºC to +85ºC	-40ºC to +85ºC
Storage Temperature	-55ºC to +85ºC	-40ºC to +85ºC
Crush Resistance	2,200 N/cm	2,100 N/cm
Impact Resistance	1,500 impacts	1,000 impacts
Flex Resistance	2,000 cycles	2,000 cycles

These specifications are subject to change without prior notification.