


**Plenum Breakout Fiber Optic Cable**

Rev. 2. 5/02

**Construction:****Fiber:**

- A- Type: 50/125 Micron Multimode Coating: 250 Micron
- B- Type: 62.5/125 Micron Multimode Coating: 250 Micron
- W- Type: 8/125 Micron SingleMode Coating: 250 Micron

**Buffer:**

- 6- Tight Buffer Plenum Thermoplastic  
900 micron +/- 50 microns

**Sub- Assembly:**

- 6 - 900 micron fiber + 2.0mm Plenum Sub-Unit Jackets

**Strength Members:**

- Aramid Yarn

**Jacket:**

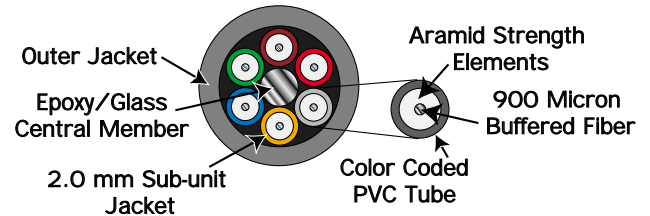
- Material: Plenum Thermoplastic  
Nominal Diameter: .280 inch ( 7.11 mm)

**Listing:**

- UL Type OFNP

**Rating:**

- Crush Resistance (EIA-455-41):  
2000N/cm
- Impact Resistance (EIA-455-25)  
2000 impacts w/1.6N-cm)
- Maximum Load (Installation) 180lbs. (801newtons)
- Flexure (EIA-455-104)  
2000 Cycles minimum
- Min. Bend Radius- Long Term - No Load: 10X Cable O.D.
- Min. Bend Radius- Short Term- Load: 15X Cable O.D.
- Operating Temperature:  
-20° C to + 70° C
- Storage Temperature:  
-40° C to + 80° C
- UL listed NEC Type OFNP
- Flame resistance UL910 modified passed

**Optical Characteristics:****Glass Type:**

- A- 50/125 Micron- Multi-Mode
- B- 62.5/125 Micron- Multi-Mode
- W- 8/125 Micron- SingleMode

**OPTICAL CHARACTERISTICS**

| Glass Type  | Code (X) | Operating Wavelength (Nanometers) | Minimum Bandwidth (MHz-km) | Max. Attenuation (db/km) |
|-------------|----------|-----------------------------------|----------------------------|--------------------------|
| 50/125 MM   | A        | 850 nm/1300 nm                    | 500/500                    | 3.50/1.25                |
| 62.5/125 MM | B        | 850 nm/1300 nm                    | 200/500                    | 3.50/1.25                |
| 8/125 SM    | W        | 1310 nm/1550 nm                   | —                          | 0.80/0.50                |

**Applications:**

- Riser and Plenum Wiring
- Office wiring
- Computer room wiring

**Minimum Bend Radius:**

- Short Term: 4.2 inch (10.7cm)
- Long Term: 2.8 inch (7.1 cm)

**Maximum load (installation):**

- 534 lbs (2415 newtons)