


Plenum Distribution 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

Strength Members:

- Aramid Yarn

Jacket:

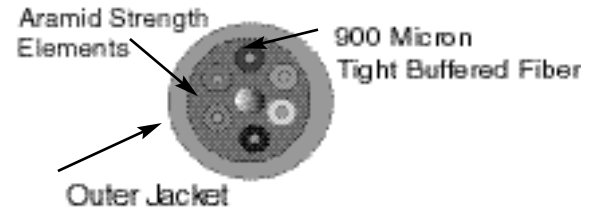
- Material: Plenum Thermoplastic
Nominal Diameter: .200 inch (5.08 mm)

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: 3.0 inch (7.6cm)
- Long Term: 2.0 inch (5.1 cm)

Maximum load (installation):

- 270 lbs (1201 newtons)