

### Riser 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:

- 12- Tight Buffer Riser Thermoplastic  
900 micron +/- 50 microns

##### Sub- Assembly:

- 12- 900 micron fiber

##### Strength Members:

- Aramid Yarn

##### Jacket:

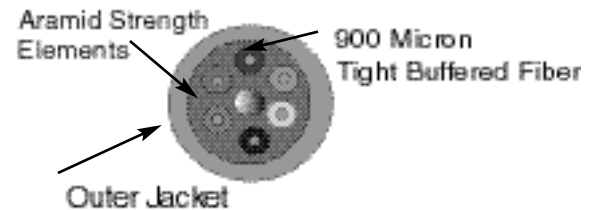
- Material: Thermoplastic PVC  
Nominal Diameter: .255 inch ( 6.48 mm)

##### Listing:

- UL Type OFNR

##### 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 OFNR
- Flame resistance UL1666 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 Wiring
- Office wiring
- Computer room wiring

#### Minimum Bend Radius:

- Short Term: 3.8 inch (9.6cm)
- Long Term: 2.6 inch (6.6 cm)

#### Maximum load (installation):

- 300 lbs (1334 newtons)

# WEST PENN WIRE