

## Loose-Tube OSP 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/Coating:

- 2- 250 micron-Color Coded

#### Sub- Assembly:

- 2 Fibers individually in Gel Filled Tubes
  - 1 Fiber per tube

#### Strength Members:

- Aramid Yarn

#### Jacket:

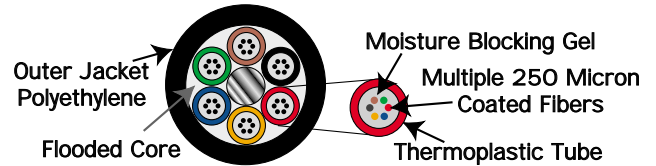
- Material: Thermoplastic PVC
- Nominal Diameter: .375 inch (9.53 mm)

#### Listing:

- Outside Plant Fiber

#### 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: 15X Cable O.D.
- Min. Bend Radius- Short Term- Load: 20X Cable O.D.
- Operating Temperature: -20° C to + 70° C
- Storage Temperature: -50° C to + 80° C



### 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:

- Building Interconnection
- Telecommunication and Data Trunk
- Long Haul networking
- Ducts between buildings
- Applications requiring good ozone, moisture, weather resistance

### Minimum Bend Radius:

- Short Term: 7.5 inch (19.1cm)
- Long Term: 5.6 inch (14.3 cm)

### Maximum load (installation):

- 600 lbs (2700 newtons)

