

PROTERIAL Indoor Tight Buffered Interconnect - Plenum

Multimode & Singlemode 2-fiber
(UL) OFNP c(UL) OFNP FT6

PRODUCT HIGHLIGHTS

- RoHS 3 compliant
- Made in U.S.A.
- 900 micron buffered design recommended for easy termination
- All multimode, and singlemode cables (except OM1) utilize bend-insensitive optical fibers
- Ideal for patch cords, interconnections, and short runs
- Easy to strip and terminate
- Lightweight, flexible aramid yarns enhance strength

OPTIONS

- Enhanced bend insensitive OS2 optical fiber is available (ITU-T G.657.B3 & G.657.A2)
 - Standard jacket colors are:
 - Yellow: OS2
 - Orange: OM1
 - Aqua: OM3 & OM4
- Note: Erika Violet for OM4 is available.*

APPLICATIONS

- Applications include 10, 40 & 100 gigabit Ethernet, Fiber Channel, Video, Security, Automation

STANDARDS

- ANSI/TIA-568.3-D
- ISO/IEC 11801, 2nd edition
- Telcordia GR-409-CORE

TEMPERATURE RANGE

- **Storage Temperature**
-40°C to 70°C
(-40°F to 158°F)
- **Installation Temperature**
0°C to 60°C
(32°F to 140°F)
- **Operation Temperature**
0°C to 70°C
(32°F to 158°F)

DIELECTRIC MATERIALS

- **Plenum**
Overall Jacket: Flame-retardant Thermoplastic

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| Fibers | Cable O.D. inches / mm | 62.5 μm OM1 | 50 μm OM3 | 50 μm OM4 | 8.3 μm OS2 |
|--------|-------------------------------|-------------|-----------|-----------|------------|
| 2 | 0.114" / 2.9mm | 60042-2 | 60472-2 | 61851-2 | 60044-2 |
| zip | .079" x .170" / 2.0mm x 4.3mm | 61379-2 | 61457-2 | 61986-2 | 61378-2 |
| zip | .113" x .235" / 2.9mm x 6.0mm | 60023-2 | 60502-2 | 61857-2 | 60030-2 |

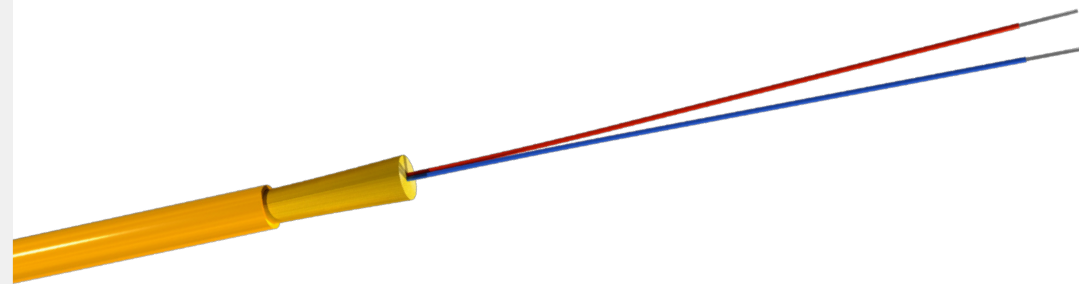
Standard Jacket Colors



Optical Specifications TIA-568.3-D | ISO/IEC 11801, 2nd edition | Telcordia GR-409-CORE

| Fiber Type | Max Attenuation (dB/km) | | Min OFL Bandwidth (MHz-km) | | Min EMBc Bandwidth (MHz-hm) | | Gb Ethernet Distance (m) | | 10 Gb Ethernet Distance (m) | |
|------------|-------------------------|-------------|----------------------------|-------------|-----------------------------|-------------|--------------------------|-------------|-----------------------------|-------------|
| | 850nm (MM) | 1300nm (MM) | 850nm (MM) | 1300nm (MM) | 850nm (MM) | 1300nm (MM) | 850nm (MM) | 1300nm (MM) | 850nm (MM) | 1300nm (MM) |
| OM1 | 3.5 | 1.0 | 200 | 500 | 220 | N/A | 300 | 550 | 33 | N/A |
| OM2 | 3.0 | 1.0 | 700 | 500 | 950 | N/A | 750 | 550 | 150 | N/A |
| OM3 | 3.0 | 1.0 | 1500 | 500 | 2000 | N/A | 1000 | 550 | 300 | N/A |
| OM4 | 3.0 | 1.0 | 3500 | 500 | 4700 | N/A | 1100 | 550 | 550 | N/A |
| OM5* | 3.0 | 1.0 | 3500 | 500 | 4700 | N/A | 1100 | 550 | 550 | N/A |
| OS2 | 0.5 | 0.5 | N/A | N/A | N/A | N/A | > 25,000 | > 40,000 | 10,000 - 25,000 | 40,000 |

*OM5 optical fiber tested by glass manufacturer and exceeds the requirements of all applicable industry standards.



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Specifications by Fiber Count

| Fibers | Max Install Load Lbs. | Max Install Load Newtons | Operating Max Load Lbs | Operating Max Load Newtons | Cable Weight lbs/kft | Cable Weight Kg/Km |
|--------|-----------------------|--------------------------|------------------------|----------------------------|----------------------|--------------------|
| 2 | 96 | 427 | 29 | 128 | 6.4 | 9.5 |
| zip | 96 | 427 | 48 | 213 | 6.27 | 9.3 |
| zip | 128 | 569 | 64 | 284 | 13.2 | 19.6 |

MECHANICAL SPECS

- Bend radius, no load = 10x cable overall diameter
- Bend radius, load = 15x cable overall diameter

ASSEMBLY DETAIL

*These cable designs utilize color-coded binders to separate subunits
DJ = Dual jacket design

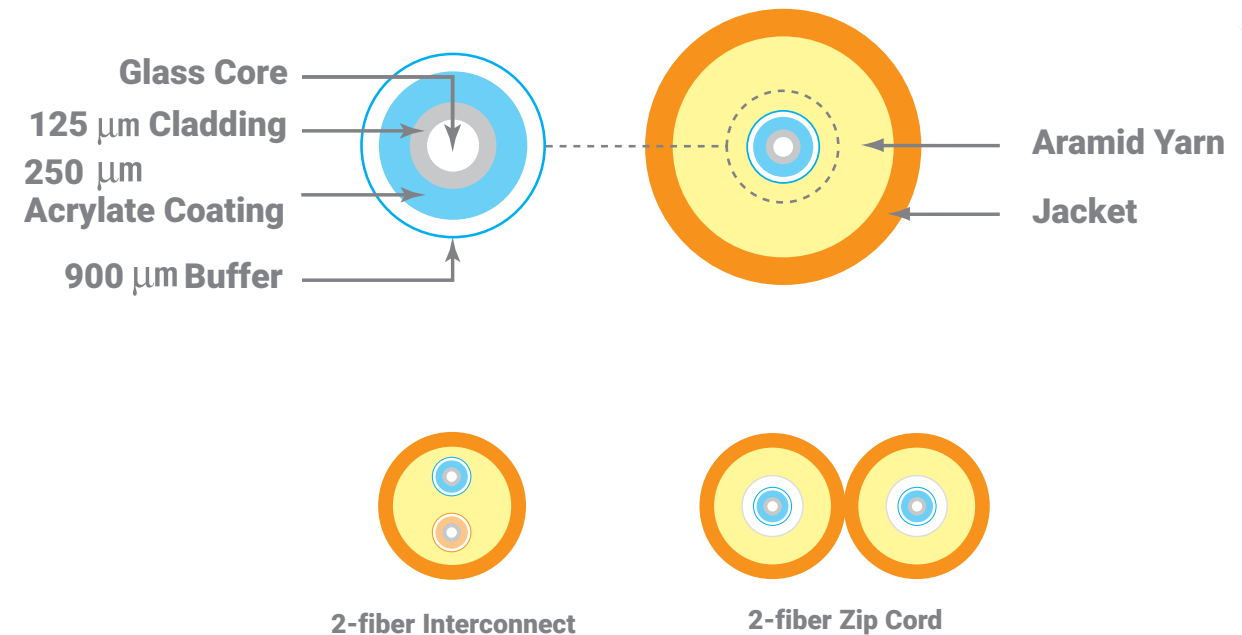


Diagram scale approx. 5:1



Photo is for representation purposes only.



Fiber