

## Micro Armor Fiber™ The Original Stainless Steel Armor Multimode 4 Fiber 900mm OM1 Armored Plenum 62.5/125 Fiber Optic Cable Model #TF4-OM1-PL

TiniFiber® is a revolutionary designed fiber optic cable that will provide the single best solution for all your fiber optic projects and usage. Micro Armor Fiber™ can be used in any application: Telco, CATV, LAN, SAN, Broadcast, DAS, Communication, Security, Indoor, Outdoor and Aerial installations.



### Outer Jacket

**Material:** Plenum Rated  
**Color:** Orange  
**Outer Diameter:** 4.5 mm

**0.9mm Color Coded Fiber, Steel Tube,  
Kevlar, Outer Jacket (Orange) UL/OFCP**

## TiniFiber® Micro Armor Fiber™ Key Features

| Feature                                             | Benefits                                                                                                                                                                                                                                                                                                                                                     |
|-----------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Micro Armor Fiber™</b>                           | <ol style="list-style-type: none"> <li>1. The smallest OD of any armor compared to conventional optical fiber cable in size and flexibility</li> <li>2. Lightest and smallest armor makes routing and installation faster and easier</li> <li>3. Cables are up to 65% smaller and 75% lighter than conventional Aluminum Interlocking Armor (AIA)</li> </ol> |
| <b>Encased Stainless Steel Coiled Tubular Armor</b> | <ol style="list-style-type: none"> <li>1. Provides the strongest armor with smallest bend radius and designed for all indoor &amp; outdoor conditions</li> <li>2. Crush and rodent resistance</li> </ol>                                                                                                                                                     |
| <b>Outer Jackets</b>                                | <ol style="list-style-type: none"> <li>1. All jackets and colors for Riser, Plenum, Indoor/Outdoor, LSZH, Burial &amp; Industrial projects</li> </ol>                                                                                                                                                                                                        |
| <b>Multimode/Single Mode Fibers</b>                 | <ol style="list-style-type: none"> <li>1. OS2, OM1, OM3, OM4 from 1 to 144 Fibers (250m/900m/Ribbon)</li> <li>2. Available in all standard connectors</li> </ol>                                                                                                                                                                                             |
| <b>Kevlar</b>                                       | <ol style="list-style-type: none"> <li>1. Adds tensile strength and flexibility</li> </ol>                                                                                                                                                                                                                                                                   |

## Competitive Product Analysis

| Feature                         | Micro Armor Fiber™ | Aluminum Interlock Armor (AIA) | Conventional Fiber Cable Jacket |
|---------------------------------|--------------------|--------------------------------|---------------------------------|
| <b>Small Bend Radius</b>        | ✓                  |                                | ✓                               |
| <b>Smallest OD With Armor</b>   | ✓                  |                                |                                 |
| <b>Lightest Armor</b>           | ✓                  |                                |                                 |
| <b>Strongest Armor</b>          | ✓                  | ✓                              |                                 |
| <b>Lowest Installation Cost</b> | ✓                  |                                | ✓                               |

# Micro Armor Fiber™ The Original Stainless Steel Armor

## Multimode 4 Fiber 900mm OM1 Armored Plenum 62.5/125 Fiber Optic Cable

### Model #TF4-OM1-PL

**Common Installations:** Ducts, conduits and indoor when installed according to NEC® Article 770.

**Design and Test Criteria:** ANSI/ICEA S-87-640



## General Specifications

|                                     |                                           |
|-------------------------------------|-------------------------------------------|
| Application                         | Indoor Premise, Duct, Conduits, and Patch |
| Fiber Category                      | Multimode (OM1)                           |
| Fiber                               | Clear Curve Bend Insensitive              |
| Storage                             | -40 °C to 80 °C (-40 °F to 176 °F)        |
| Installation                        | -30 °C to 80 °C (-22 °F to 176 °F)        |
| Operation                           | -40 °C to 80 °C (-40 °F to 176 °F)        |
| Max. Dynamic Tensile Strength       | 800 N                                     |
| Max. Static Tensile Strength        | 600 N                                     |
| Max. Dynamic Crush Resistance       | 5000 N                                    |
| Max. Static Crush Resistance        | 3000 N                                    |
| Min. Dynamic Bend Radius            | 110 mm/ 4.3 in                            |
| Min. Static Bend Radius             | 55 mm/ 2.2 in                             |
| Nominal Outer Diameter              | 4.5 mm                                    |
| Weight                              | 30 kg/km                                  |
| Stainless Steel Tube Outer Diameter | 3.8 mm                                    |
| Stainless Steel Tube Inner Diameter | 2.4 mm                                    |
| Wavelengths/Max. Attenuation        | 850 nm/<3.0dB/km, 1300 nm/<1.0dB/km       |
| Fiber core/cladding diameter        | 62.5/125 mm                               |
| Fiber Count                         | 4                                         |
| Water Block                         | Yes                                       |
| Kevlar                              | 1x1100dtex                                |
| Maximum Data Rate                   | 10 GB                                     |
| NEC Rating                          | OFCP                                      |