

## Micro Armor Fiber The Original Stainless Steel Armor Multimode 6 Fiber OM1 Polyurethane Armored Plenum 6.25/125 Fiber Optic Cable Model #TF6-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: 6.5 mm

900mm 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>

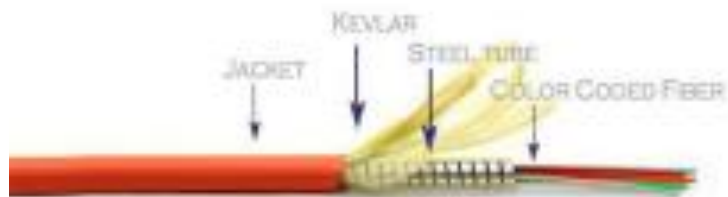
### Competitive Product Analysis

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

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**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, Patch, Duct, Conduit, Premise
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	200 N
Max. Static Tensile Strength	100 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	6.5 mm
Weight	30 kg/km
Stainless Steel Tube Outer Diameter	4.4 mm
Stainless Steel Tube Inner Diameter	3.2 mm
Wavelengths/Max. Attenuation	850 nm/<3.0dB/km, 1300 nm/<1.0dB/km
Fiber Core/Cladding Diameter	62.5/125 mm
Fiber Count	6
Steel Tube/Water Block	Yes/No
Kevlar	3x1100dtex
Maximum Data Rate	40GB
NEC Rating	OFCP