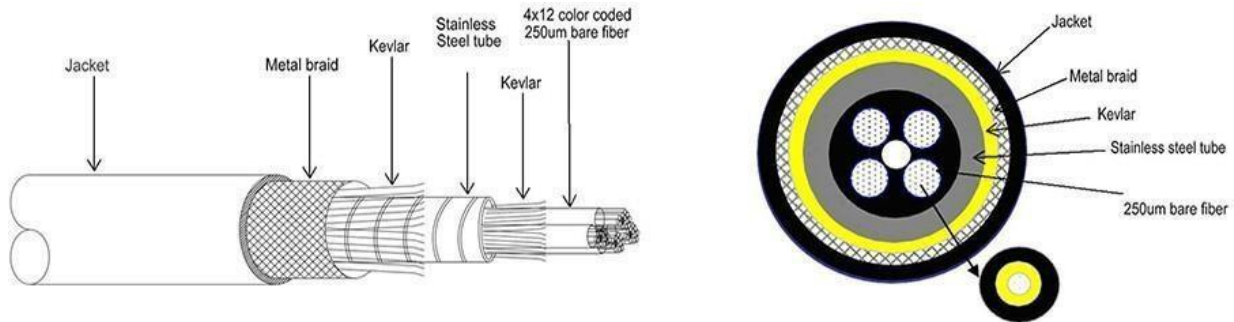


## Micro Armor Fiber™ The Original Stainless Steel Armor Multimode 48 Fiber 250mm OM1 Armored Indoor/Outdoor Plenum Fiber Optic Cable Model #TF48-OM1-PLO

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: Black  
Outer Diameter: 10.5mm

250mm Color Coded Fiber, Kevlar, Metal Braiding, Steel Tube, Outer Jacket (Black)  
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. Compatible with 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

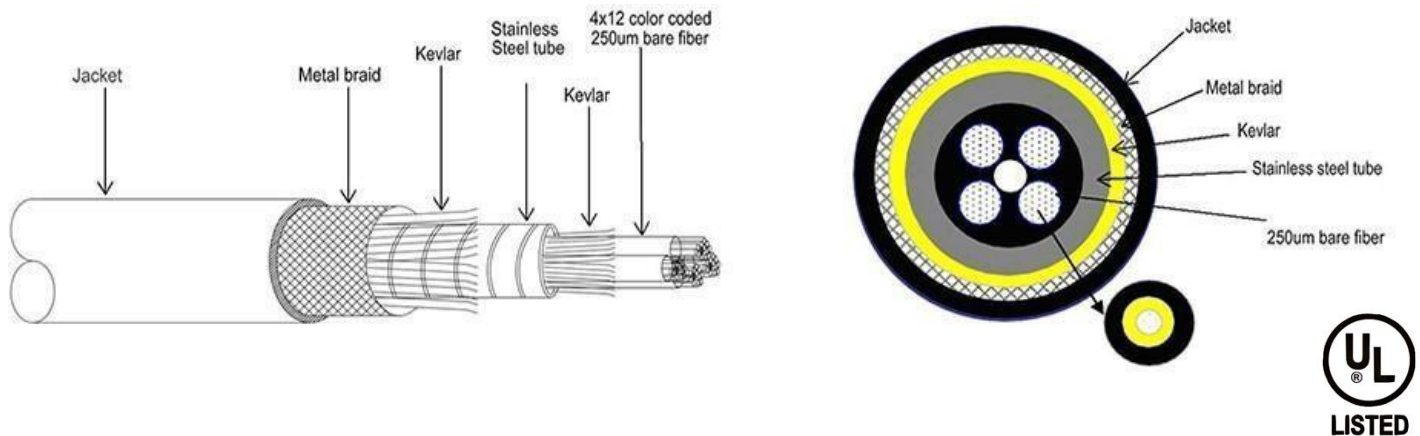
Feature	Micro Armor Fiber™	Aluminum Interlock Armor (AIA)	Conventional Fiber Cable Jacket
Small Bend Radius	✓		✓
Smallest OD With Armor	✓	✓	
Lightest Armor	✓	✓	
Strongest Armor	✓		
Lowest Installation Cost	✓		✓

# Micro Armor Fiber™ The Original Stainless Steel Armor

## Multimode 48 Fiber 250mm OM1 Armored Indoor/Outdoor Plenum Fiber Optic Cable

### Model #TF48-OM1-PLO

**Common Installations:** Ducts, conduits, and indoor/outdoor when installed according to NEC® Article 770  
**Design and Test Criteria:** ANSI/ICEA S-87-640



## General Specifications

Application	Indoor/Outdoor Premise, Duct, Conduits, and Patch
Fiber Category	Multimode (OM1)
Fiber	Clear Curve Bend Insensitive
Storage	-40 °C to 80 °C (-4 °F to 158 °F)
Installation	-30 °C to 80 °C (-10 °F to 140 °F)
Operation	-40 °C to 80 °C (-4 °F to 158 °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	10.5 mm
Weight	150 kg/km
Stainless Steel Tube Outer Diameter	8.0 mm
Stainless Steel Tube Inner Diameter	7.5 mm
Wavelengths/Max. Attenuation	1300   ≤ 1.5dB/km 850   ≤ 3.0 dB/km
Fiber Core/Cladding Diameter	62.5/125 mm
Fiber Count	48
Steel Braid/Water Block	Yes/Yes
Kevlar	1000dtex
Maximum Data Rate	1 GB
NEC Rating	OFCP