

# Micro Armor Fiber™ The Original Stainless Steel Armor

## Multimode 4 Fiber 900mm OM4 Armored 50/125 Fiber Optic Cable

### Model #TF4-OM4-PU

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 as well as Aerial installations.



**Outer Jacket**  
**Material: PU**  
**Color: Black**  
**Outer Diameter: 4.5 mm**

**900mm Color Coded Fiber, Kevlar, Water Block Yarn, Steel Tube, Outer Jacket (Black) UL/OFCR**

## TiniFiber® Micro Armor Fiber™ Key Features

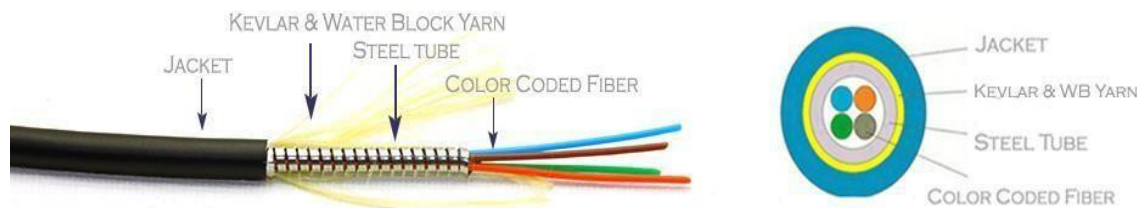
Feature	Benefits
<b>Micro Armor Fiber™</b>	<ol style="list-style-type: none"> <li>The smallest OD of any armor compared to conventional optical fiber cable in size and flexibility</li> <li>Lightest and smallest armor makes routing and installation faster and easier</li> <li>Cables are up to 65% smaller 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>Provides the strongest armor with smallest bend radius and designed for all indoor &amp; outdoor conditions</li> <li>Crush and rodent resistance</li> </ol>
<b>Outer Jackets</b>	<ol style="list-style-type: none"> <li>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>OS2, OM1, OM3, OM4 from 1 to 144 Strands (250m/900m/Ribbon)</li> <li>Available in all standard connectors</li> </ol>
<b>Kevlar</b>	<ol style="list-style-type: none"> <li>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>	✓		✓

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**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 (OM4)
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	2.8 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	50/125 mm
Fiber Count	4
Steel Braid/Water Block	No/Yes
Kevlar	1x1000dtex
Maximum Data Rate	40 GB
NEC Rating	OFCR