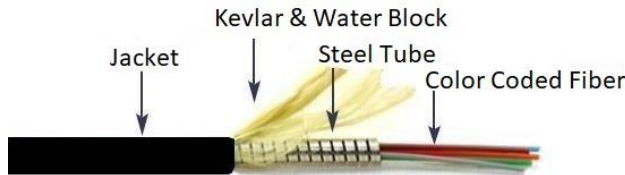


# Micro Armor Fiber™ The Original Stainless Steel Armor MultiMode 900um OM1 Armored OSP/Outdoor Polyethylene Optic

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 channel from Telco, CATV, WAN LAN, SAN, Broadcast, DAS, Communication, Security, Indoor, Outdoor as well as Aerial installations and regardless of environmental conditions.



**Outer Jacket**  
Material: PE  
Color: Black  
Outer Diameter: 6.0 mm

900um color coded fiber, Steel tube, Kevlar,  
Outer Jacket (Black) UV

## TiniFiber® Micro Armor Fiber™ Key Features

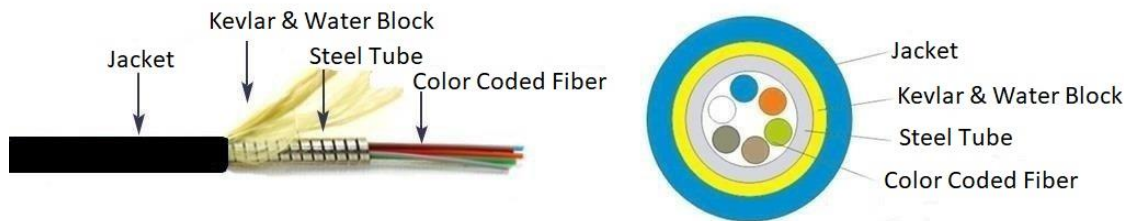
Feature	Benefits
<b>Micro Armor Fiber™</b>	<ol style="list-style-type: none"> <li>1. The smallest OD of any armor compared to conventional optical fiber cable in size and flexibility</li> <li>2. Lightest and smallest armor makes routing and installation faster and easier</li> <li>3. Cables are up to 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 maximum bend radius and designed for all indoor &amp; outdoor conditions</li> <li>2. Crush and rodent resistance for multiple usages</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/SingleMode Strands</b>	<ol style="list-style-type: none"> <li>1. OS2, OM1, OM3, OM4 from 1 to 144 Strands (250u/900u/Ribbon)</li> <li>2. Available in all standard connectors</li> </ol>
<b>Kevlar Fiber Strands</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
Maximum Bend Radius	✓		✓
Smallest OD With Armor	✓		
Lightest Armor Fiber	✓		
Strongest Armor Fiber	✓	✓	
Lowest Installation Cost	✓		✓

# Micro Armor Fiber™ The Original Stainless Steel Armor MultiMode 900um OM1 Armored OSP/Outdoor Polyethylene Optic

**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	Outdoor, Direct Burial, Aerial, Conduits and Ducts
Fiber Category	MultiMode (OM1)
Fiber Make	Corning Infinicor OM1
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	20D
Min. Static Bend Radius	10D
Nominal Outer Diameter	6.0 mm
Weight	55 kg/km
Stainless Steel Tube Outer Diameter	4.4mm
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 um
Fiber Count	shown in a 6 strand
Steel Braid/Water Block	No/Yes
Kevlar	1000dtex
Maximum Data Rate	1 GB