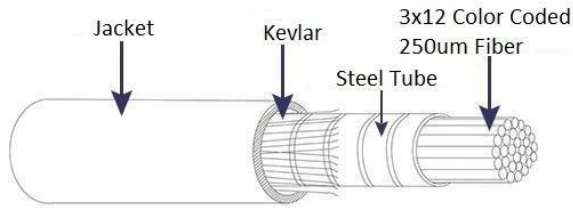


# Micro Armor Fiber™ The Original Stainless Steel Armor Singlemode 36 Core 250um OS2 Armored Indoor/Outdoor Plenum Model # TF36-OS2-PLO

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 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: Plenum  
Color: Black  
Outer Diameter: 7.5mm



**36\*250um Color Coded Fiber, Steel Tube, Kevlar, Outer Jacket (Black) UL/OFCP**

## TiniFiber® Micro Armor Fiber™ Key Features

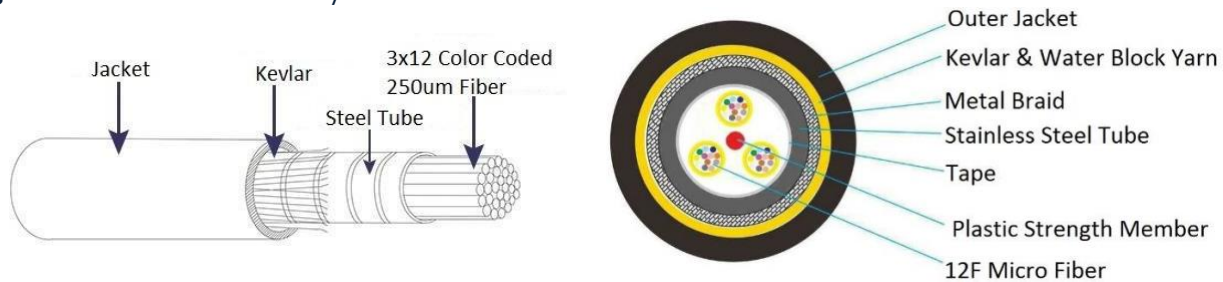
Feature	Benefits
<b>Micro Armor Fiber™</b>	<ol style="list-style-type: none"> <li>1. The smallest OD of any armor compared to conventional optical fiber cable in size and flexibility</li> <li>2. Lightest and smallest armor makes routing and installation faster and easier</li> <li>3. Cables are up to 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 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>	1. All jackets and colors for Riser, Plenum, Indoor/Outdoor, LSZH, Burial & Industrial projects
<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>	1. Adds tensile strength and flexibility

## 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 Singlemode 36 Core 250um OS2 Armored Indoor/Outdoor Plenum Model # TF36-OS2-PLO

**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/Outdoor Premise, Duct, Conduits and Patch
Fiber Category	SingleMode (OS2)
Fiber Make	Corning ClearCurve G.652D
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	3000 N
Max. Static Crush Resistance	2000 N
Min. Dynamic Bend Radius	20D
Min. Static Bend Radius	10D
Nominal Outer Diameter	7.5 mm
Weight	100 kg/km
Stainless Steel Tube Outer Diameter	6.5 mm
Stainless Steel Tube Inner Diameter	5.6 mm
Wavelengths/Max. Attenuation	1310 nm/<0.35dB/km, 1550 nm/<0.25dB/km
Fiber core/cladding diameter	9/125 um
Fiber Count	Thirty-Six (36)
Steel Braid	Yes
Kevlar	1000dtex
Maximum Data Rate	Up to 100 GB
NEC Rating	OFCP