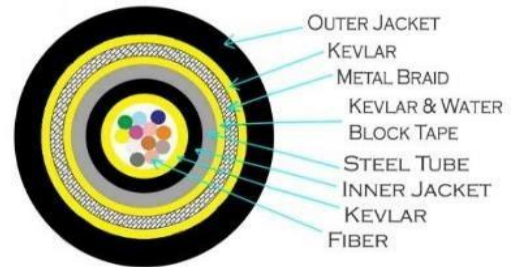
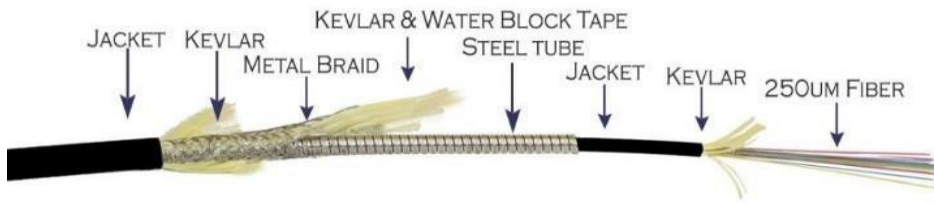


# Micro Armor Fiber™ The Original Stainless Steel Armor Single Mode 12 Fiber OS2 Indoor/Outdoor Armored Riser Fiber Optic Cable Model #TF12-OS2-RIO

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: PVC  
Color: Black  
Outer Diameter: 5.5 mm

250mm Color Coded Fiber, Steel Tube,  
Kevlar, Water Block Yarn, 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 Fibers (250m/900m/Ribbon)</li> <li>Compatible with 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

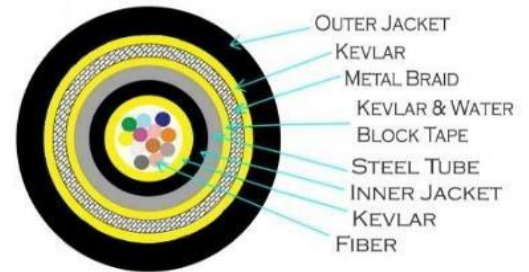
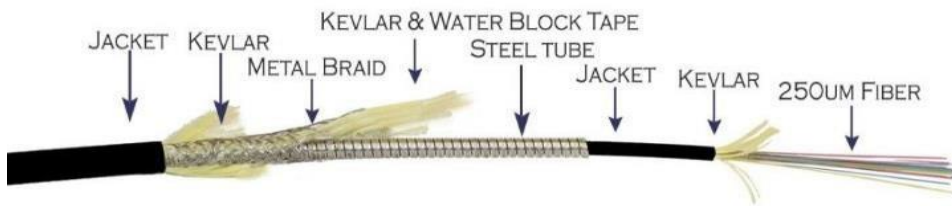
Feature	Micro Armor Fiber™	Aluminum Interlock Armor (AIA)	Conventional Fiber Cable Jacket
<b>Small Bend Radius</b>	✓		✓
<b>Smallest OD With Armor</b>	✓		
<b>Lightest Armor</b>	✓		
<b>Strongest Armor</b>	✓	✓	
<b>Lowest Installation Cost</b>	✓		✓

# Micro Armor Fiber™ The Original Stainless Steel Armor

## Single Mode 12 Fiber OS2 Indoor/Outdoor Armored Riser Fiber Optic Cable

### Model #TF12-OS2-RIO

**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	Single Mode (OS2)
Fiber	Clear Curve Bend Insensitive
Storage	-40 °C to 40 °C (-40 °F to 176 °F)
Installation	-30 °C to 80 °C (-22 °F to 176 °F)
Operation	-40 °C to 40 °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	5.5 mm
Weight	45 kg/km
Stainless Steel Tube Outer Diameter	3.5 mm
Stainless Steel Tube Inner Diameter	2.8 mm
Wavelengths/Max. Attenuation	1310   ≤ 0.4dB/km 1550   ≤ 0.3dB/km
Fiber Core/Cladding Diameter	9/125 mm
Fiber Count	12
Steel Braid/Water Block	Yes/Yes
Kevlar	1000dtex
Maximum Data Rate	Up to 100 GB
NEC Rating	OFCR