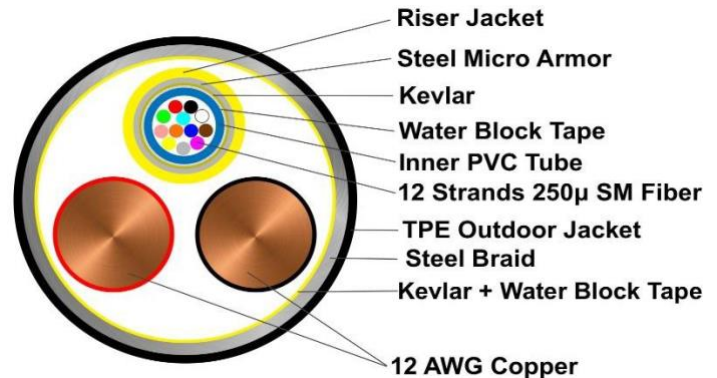


## Micro Armor Fiber™ The Original Stainless Steel Micro Armor SingleMode 12 Core 250um Armored OS2 with 2x12AWG Conductors Model # PTF12-OS2-12/2-TPE

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: TPE  
Color: Black  
Outer Diameter: 12.5mm



### TiniFiber® Micro Armor Fiber™ Key Features

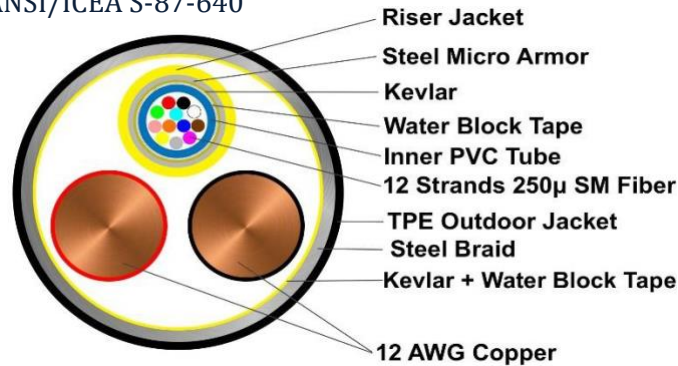
Feature	Benefits
<b>Micro Armor Fiber™</b>	<ol style="list-style-type: none"> <li>1. The smallest OD of any armor compared to conventional optical fiber cable in size and flexibility</li> <li>2. Lightest and smallest armor makes routing and installation faster and easier</li> <li>3. Cables are 65% smaller and 75% lighter than AIA Cables</li> </ol>
<b>Encased Stainless Steel Coiled Tubular Armor</b>	<ol style="list-style-type: none"> <li>1. Provides that strongest armor with maximum bend radius and designed for all indoor &amp; outdoor conditions</li> <li>2. Crush and rodent resistant</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. Compatible with all standard connectors</li> </ol>
<b>Water Block Yarn and Kevlar</b>	1. Adds tensile strength and water proofing against the elements
<b>Fiber PLUS Power</b>	<ol style="list-style-type: none"> <li>1. Install one cable with power to the device (cameras) and avoid piping &amp; lower labor cost</li> <li>2. The "Power Cables" can be 2, 3 or 4 conductor with 12 AWG to 22 AWG options</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 Micro Armor SingleMode 12 Core 250um Armored OS2 with 2x12AWG Conductors Model # PTF12-OS2-12/2-TPE

**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, Ducts and Conduit
Fiber Category	SingleMode (OS2)
Fiber Make	Corning ClearCurve G.657.A2 BIF
Storage	-60 °C to 70 °C (-76 °F to 158 °F)
Installation	-60 °C to 70 °C (-76 °F to 158 °F)
Operation	-60 °C to 70 °C (-76 °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	20D
Min. Static Bend Radius	10D
Nominal Outer Diameter	12.5 mm
Weight	150 kg/km
Stainless Steel Tube Outer Diameter	2.2 mm
Stainless Steel Tube Inner Diameter	1.9 mm
Wavelengths/Max. Attenuation	1310 nm/<0.35dB/km, 1550 nm/<0.25dB/km
Fiber Core/Cladding Diameter	9/125 um
Fiber Count	Twelve (12)
# Conductors x Gauge	2 x 12AWG Stranded Copper
Steel Braid/Water Block	Yes/Yes
Kevlar	2x1100dtex
Maximum Data Rate	100 GB
NEC Rating	OFC