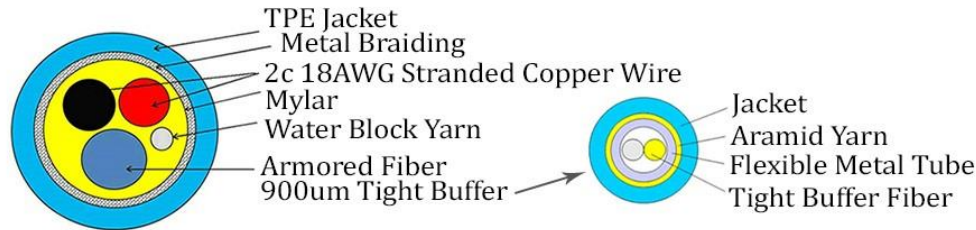


# Micro Armor Fiber™ The Original Stainless Steel Armor Armored SingleMode 6 Core 900um OS2 with 2x18AWG Conductors Model # PTF6-OS2-18/2

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: 9.0 mm

**900um Color Coded Fiber,  
Steel Tube, Kevlar, Outer Jacket  
(TPE, Black) UL**

## 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 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>Provides that strongest armor with maximum bend radius and designed for all indoor &amp; outdoor conditions</li> <li>Crush and rodent resistant 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>OS2, OM1, OM3, OM4 from 1 to 144 Strands (250u/900u/Ribbon)</li> <li>Available in 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>Install one cable with power to the device (cameras) and avoid piping &amp; lower labor cost</li> <li>The "Power Cables" can be 2, 3 or 4 conductor with 12 AWG to 22 AWG options</li> </ol>

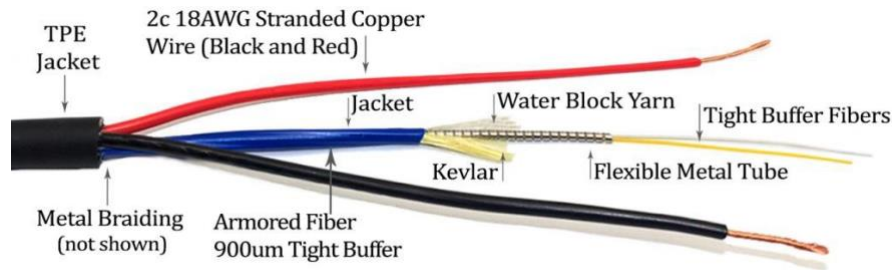
## Competitive Product Analysis

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 Armor PTF6-OS2-18/2 SingleMode 6 Core 900um 2x18AWG Armored TPE

**Common Installations:** Ducts, conduits and indoor when installed according to NEC® Article 770

**Design and Test Criteria:** ANSI/ICEA S-87-640



### Competitive Product Analysis

Application	Outdoor Premise, Duct, Conduits
Fiber Category	SingleMode (OS2)
Fiber Make	Corning ClearCurve G 652D
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	9.0 mm
Weight	120 kg/km
Stainless Steel Tube Outer Diameter	4.1 mm
Stainless Steel Tube Inner Diameter	3.2 mm
Wavelengths/Max. Attenuation	1310 nm/<0.35dB/km, 1550 nm/<0.25dB/km
Fiber Core/Cladding Diameter	9/125 um
Fiber Count	Six (6)
# Conductors x Gauge	2 x 18AWG
Steel Braid	Yes
Kevlar	1000dtex
Maximum Data Rate	100 GB
NEC Rating	OFCP