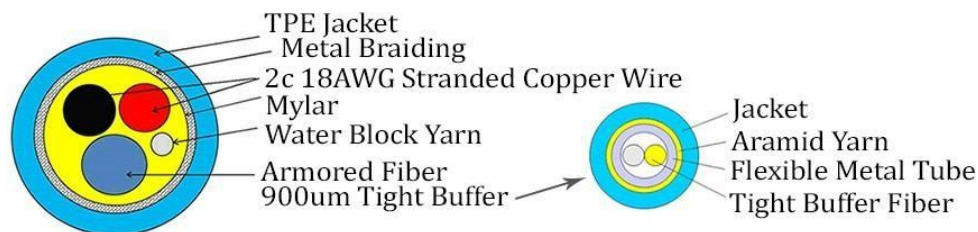


## Micro Armor Fiber™ The Original Stainless Steel Armor Single Mode 4 Fiber 900mm OS2 with 2x18 AWG Conductors Model #PTF4-OS2-18/2

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 application: Telco, CATV, LAN, SAN, Broadcast, DAS, Communication, Security, Indoor, Outdoor as well as Aerial installations.



**Outer Jacket**  
Material: TPE  
Color: Black  
Outer Diameter: 9.0 mm

**900mm Color Coded Fiber,**  
Steel Tube, Kevlar, Water Block Yarn,  
Outer Jacket (TPE, Black) UL/OFC

### 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 smallest bend radius and designed for all indoor &amp; outdoor conditions</li> <li>2. Crush and rodent resistance</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/Single Mode Fibers</b>                 | <ol style="list-style-type: none"> <li>1. OS2, OM1, OM3, OM4 from 1 to 144 Fibers (250m/900m/Ribbon)</li> <li>2. Available in all standard connectors</li> </ol>                                                                                                                                                                                             |
| <b>Kevlar</b>                                       | <ol style="list-style-type: none"> <li>1. Adds tensile strength and flexibility</li> </ol>                                                                                                                                                                                                                                                                   |
| <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 conductors with 12 AWG to 22 AWG options</li> </ol>                                                                                                                   |

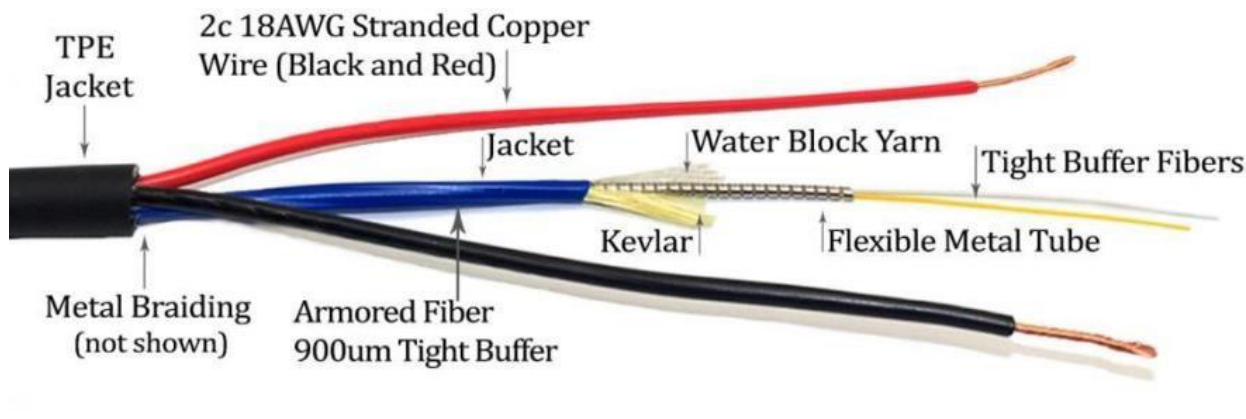
### Competitive Product Analysis

| 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 4 Fiber 900mm OS2 with 2x18 AWG Conductors Model #PTF4-OS2-18/2

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

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



### General Specifications

|                                     |                                                  |
|-------------------------------------|--------------------------------------------------|
| Application                         | Outdoor Premise, Duct, Conduits, Riser and Patch |
| Fiber Category                      | Single Mode (OS2)                                |
| Fiber                               | Clear Curve Bend Insensitive                     |
| 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            | 110 mm/ 4.3 in                                   |
| Min. Static Bend Radius             | 55 mm/ 2.2 in                                    |
| Nominal Outer Diameter              | 9.0 mm                                           |
| Weight                              | 120 kg/km                                        |
| Stainless Steel Tube Outer Diameter | 3.2 mm                                           |
| Stainless Steel Tube Inner Diameter | 2.4 mm                                           |
| Wavelengths/Max. Attenuation        | 1310   ≤ 0.35dB/kmG1550   ≤ 0.25dB/km            |
| Fiber Core/Cladding Diameter        | 9/125 mm                                         |
| Fiber Count                         | 4                                                |
| # Conductors x Gauge                | 2 x 18 AWG                                       |
| Steel Braid/Water Block             | Yes/Yes                                          |
| Kevlar                              | 1000dtex                                         |
| Maximum Data Rate                   | Up to 100 GB                                     |
| NEC Rating                          | OFC                                              |