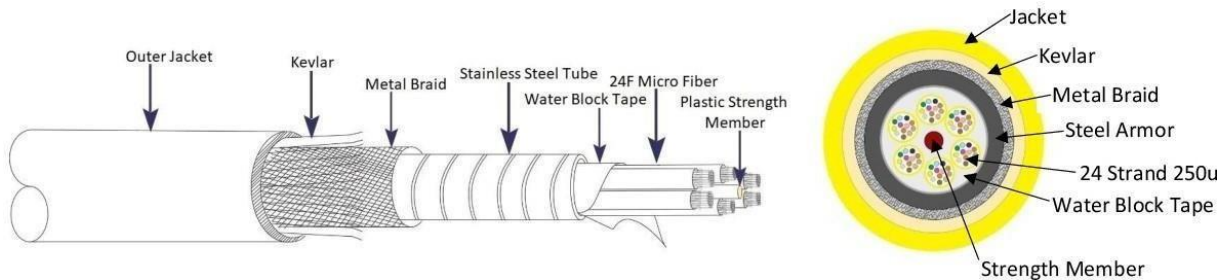


## Micro Armor Fiber™ The Original Stainless Steel Armor Single Mode 144 Fiber OS2 Armored Indoor/Outdoor Plenum Fiber Optic Cable Model #TF144-OS2-PLO

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



**Outer Jacket**  
 Material: Plenum Rated  
 Color: Black  
 Outer Diameter: 13mm

6\*24F Microfiber, Strength Member,  
 Steel Tube, Metal Braid, Kevlar & Water  
 Block Tape, Outer Jacket (Black)  
 (UL/OFCP)

### TiniFiber® Micro Armor Fiber™ Key Features

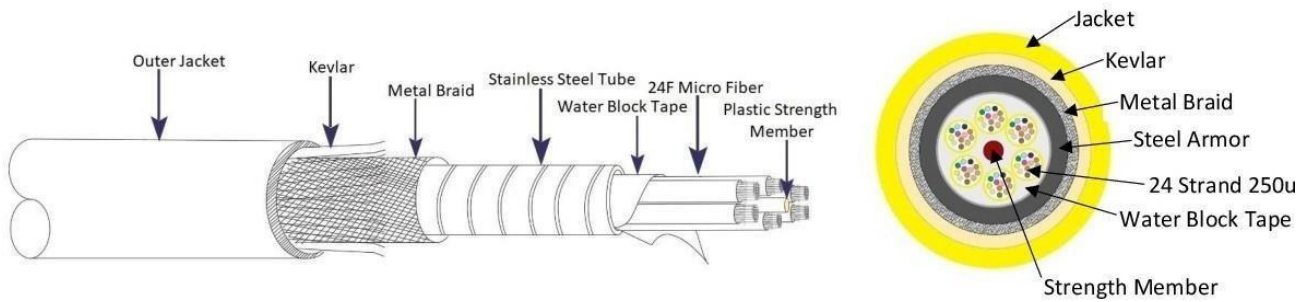
| Feature                                             | Benefits                                                                                                                                                                                                                                                                                       |
|-----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Micro Armor Fiber™</b>                           | 1. The smallest OD of any armor compared to conventional optical fiber cable in size and flexibility<br>2. Lightest and smallest armor makes routing and installation faster and easier<br>3. Cables are up to 65% smaller and 75% lighter than conventional Aluminum Interlocking Armor (AIA) |
| <b>Encased Stainless Steel Coiled Tubular Armor</b> | 1. Provides the strongest armor with smallest bend radius and designed for all indoor & outdoor conditions<br>2. Crush and rodent resistance                                                                                                                                                   |
| <b>Outer Jackets</b>                                | 1. All jackets and colors for Riser, Plenum, Indoor/Outdoor, LSZH, Burial & Industrial projects                                                                                                                                                                                                |
| <b>Multimode/Single Mode Fibers</b>                 | 1. OS2, OM1, OM3, OM4 from 1 to 144 Fibers (250m/900m/Ribbon)<br>2. Compatible with all standard connectors                                                                                                                                                                                    |
| <b>Kevlar</b>                                       | 1. Adds tensile strength and flexibility                                                                                                                                                                                                                                                       |

### 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 144 Fiber OS2 Armored Indoor/Outdoor Plenum Fiber Optic Cable Model #TF144-OS2-PLO

**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 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       | 300 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              | 13 mm                                            |
| Weight                              | 200 kg/km                                        |
| Stainless Steel Tube Outer Diameter | 10.0 mm                                          |
| Stainless Steel Tube Inner Diameter | 9.8 mm                                           |
| Wavelengths/Max. Attenuation        | 1310   ≤ 0.4dB/km 1550   ≤ 0.3dB/km              |
| Fiber Core/Cladding Diameter        | 9/125 mm                                         |
| Fiber Count                         | 144                                              |
| Steel Braid/Water Block             | Yes/Yes                                          |
| Kevlar                              | 1000dtex                                         |
| Maximum Data Rate                   | Up to 100 GB                                     |
| NEC Rating                          | OFCP                                             |