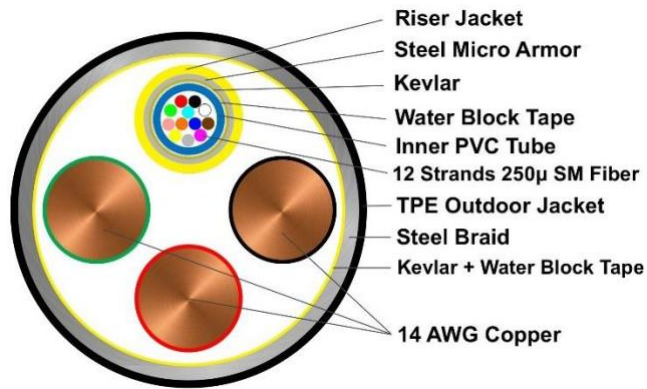


Micro Armor Fiber™ The Original Stainless Steel Micro Armor SingleMode 12 Core 250um Armored OS2 with 3x14AWG Conductors Model # PTF12-OS2-14/3-TPE

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: 12mm



TiniFiber® Micro Armor Fiber™ Key Features

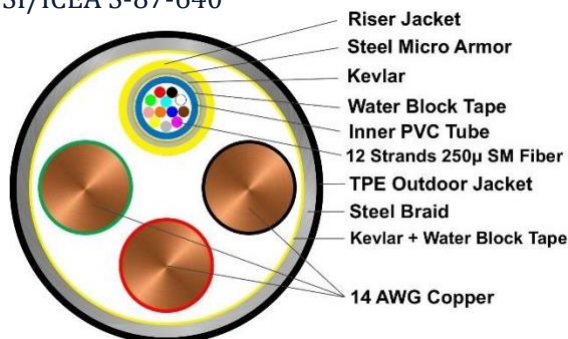
| Feature | Benefits |
|---|--|
| Micro Armor Fiber™ | <ol style="list-style-type: none"> 1. The smallest OD of any armor compared to conventional optical fiber cable in size and flexibility 2. Lightest and smallest armor makes routing and installation faster and easier 3. Cables are 65% smaller and 75% lighter than AIA Cables |
| Encased Stainless Steel Coiled Tubular Armor | <ol style="list-style-type: none"> 1. Provides that strongest armor with maximum bend radius and designed for all indoor & outdoor conditions 2. Crush and rodent resistant |
| Outer Jackets | 1. All jackets and colors for Riser, Plenum, Indoor/Outdoor, LSZH, Burial & Industrial projects |
| MultiMode/SingleMode Strands | <ol style="list-style-type: none"> 1. OS2, OM1, OM3, OM4 from 1 to 144 Strands (250u/900u/Ribbon) 2. Compatible with all standard connectors |
| Water Block Yarn and Kevlar | 1. Adds tensile strength and water proofing against the elements |
| Fiber PLUS Power | <ol style="list-style-type: none"> 1. Install one cable with power to the device (cameras) and avoid piping & lower labor cost 2. The "Power Cables" can be 2, 3 or 4 conductor with 12 AWG to 22 AWG options |

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 | ✓ | | ✓ |

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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 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 | 3 x 14AWG Stranded Copper |
| Steel Braid/Water Block | Yes/Yes |
| Kevlar | 2x1100dtex |
| Maximum Data Rate | 100 GB |
| NEC Rating | OFC |