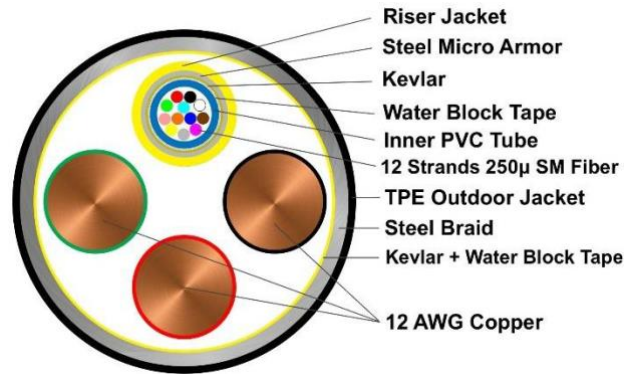


Micro Armor Fiber™ The Original Stainless Steel Micro Armor SingleMode 12 Core 250um Armored OS2 with 3x12AWG Conductors Model # PTF12-OS2-12/3-TPE

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: 14mm



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

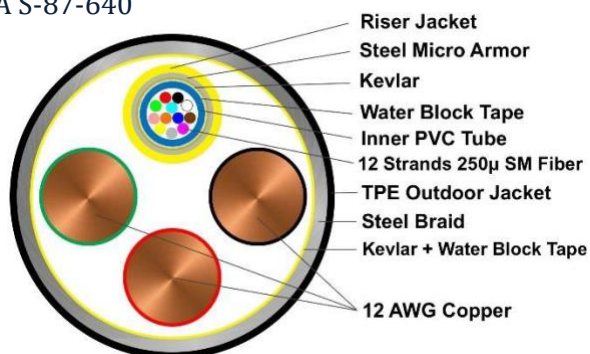
Competitive Product Analysis

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	14 mm
Weight	160 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 12AWG Stranded Copper
Steel Braid/Water Block	Yes/Yes
Kevlar	2x1100dtex
Maximum Data Rate	100 GB
NEC Rating	OFC