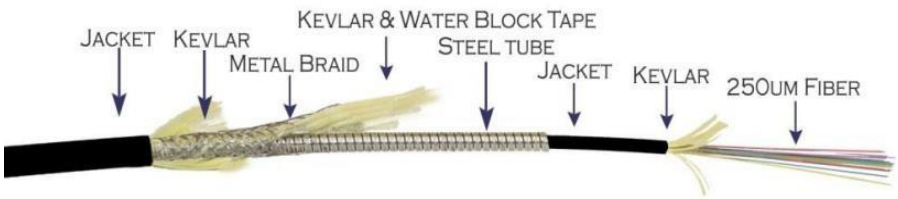
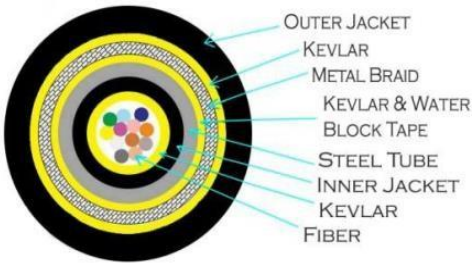
Micro Armor Fiber™ The Original Stainless Steel Armor
Single Mode 12 Fiber OS2 Armored OSP/Outdoor Polyethylene Fiber Optic Cable
Model #TF12-OS2-PE

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: PE
Color: Black
Outer Diameter: 5.0 mm

250mm Color Coded Fiber, Steel Tube, Kevlar, Steel Braid, Water Block Yarn, Inner Jacket, Outer Jacket UL/OFC

TiniFiber® Micro Armor Fiber™ Key Features

Feature	Benefits
Micro Armor Fiber™	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 up to 65% smaller and 75% lighter than conventional Aluminum Interlocking Armor (AIA)
Encased Stainless Steel Coiled Tubular Armor	1. Provides the strongest armor with smallest bend radius and designed for all indoor & outdoor conditions 2. Crush and rodent resistance
Outer Jackets	1. All jackets and colors for Riser, Plenum, Indoor/Outdoor, LSZH, Burial & Industrial projects
Multimode/Single Mode Fibers	1. OS2, OM1, OM3, OM4 from 1 to 144 Fibers (250m/900m/Ribbon) 2. Compatible with all standard connectors
Kevlar	1. Adds tensile strength and flexibility

Competitive Product Analysis

Feature	Micro Armor Fiber™	Aluminum Interlock Armor (AIA)	Conventional Fiber Cable Jacket
Small Bend Radius	✓		✓
Smallest OD With Armor	✓		
Lightest Armor	✓		
Strongest Armor	✓	✓	
Lowest Installation Cost	✓		✓

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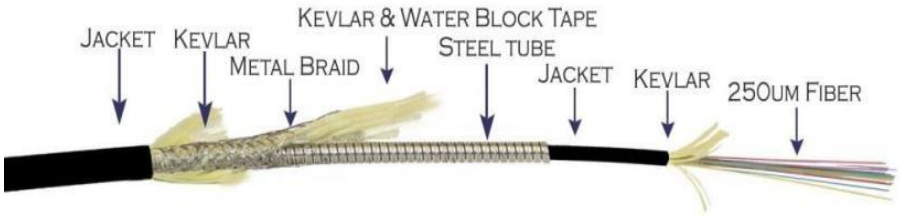
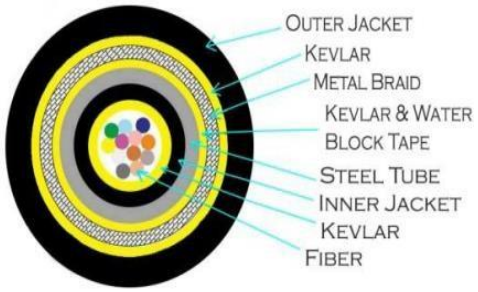
Common Installations: Ducts, conduits and outdoor when installed according to NEC® Article 770
Design and Test Criteria: ANSI/ICEA S-87-640





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General Specifications

Application	Outdoor Premise, Duct, Conduits and Patch
Fiber Category	Single Mode (OS2)
Fiber	Clear Curve Bend Insensitive
Storage	-40 °C to 40 °C (-40 °F to 176 °F)
Installation	-30 °C to 80 °C (-22 °F to 176 °F)
Operation	-40 °C to 40 °C (-40 °F to 176 °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	5.0 mm
Weight	55 kg/km
Stainless Steel Tube Outer Diameter	3.5 mm
Stainless Steel Tube Inner Diameter	2.8 mm
Wavelengths/Max. Attenuation	1310 | ≤ 0.4dB/km 1550 | ≤ 0.3dB/km
Fiber Core/Cladding Diameter	9/125 mm
Fiber Count	12
Steel Braid/Water Block	Yes/Yes
Kevlar	1000dtex
Maximum Data Rate	Up to 100 GB
NEC Rating	OFC