

Micro Armor Fiber® The Original Stainless Steel Armor SingleMode 1 Core 600um OS2 Plenum Armored Fiber Optical Cable Model # TF1-OS2-PL

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: Plenum
Color: Yellow
Outer Diameter: 2.0 mm



600um Color Coded Fiber, Kevlar, Inner Jacket, Steel Tube

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 up to 65% smaller and 75% lighter than conventional Aluminum Interlocking Armor (AIA)
Encased Stainless Steel Coiled Tubular Armor	<ol style="list-style-type: none"> 1. Provides the strongest armor with maximum bend radius and designed for all indoor & outdoor conditions 2. Crush and rodent resistance for multiple usages
Outer Jackets	<ol style="list-style-type: none"> 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. Available in all standard connectors
Kevlar Fiber Strands	<ol style="list-style-type: none"> 1. Adds tensile strength and flexibility

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	Indoor Premise, Duct, Conduits and Patch
Fiber Category	SingleMode (OS2)
Fiber Make	BIF G657 A2
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	200 N
Max. Static Tensile Strength	100 N
Max. Dynamic Crush Resistance	3000 N/10cm
Max. Static Crush Resistance	1500 N/10cm
Min. Dynamic Bend Radius	15 mm
Min. Static Bend Radius	15 mm
Nominal Outer Diameter	2.0 mm
Weight	7 kg/km
Stainless Steel Tube Outer Diameter	1.2 mm
Stainless Steel Tube Inner Diameter	0.75 mm
Wavelengths/Max. Attenuation	1310 nm/<0.35dB/km, 1550 nm/<0.25dB/km
Fiber core/cladding diameter	9/125 um
Fiber Count	One (1)
Steel Braid/Water Block	No/Yes
Kevlar	1000dtex
Maximum Data Rate	100 GB
NEC Rating	OFCP