

Micro Armor Fiber™ The Original Stainless Steel Armor SingleMode 144 Core Ribbon OS2 Armored Indoor/Outdoor Plenum Model # TF144-OS2-PLO-R

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: Black
 Outer Diameter: 10.5mm

12*12F Ribbon Fiber, Steel Tube, Kevlar,
 Water Block Tape, Jacket (Black) UL/OFCP

TiniFiber® Micro Armor Fiber™ Key Features

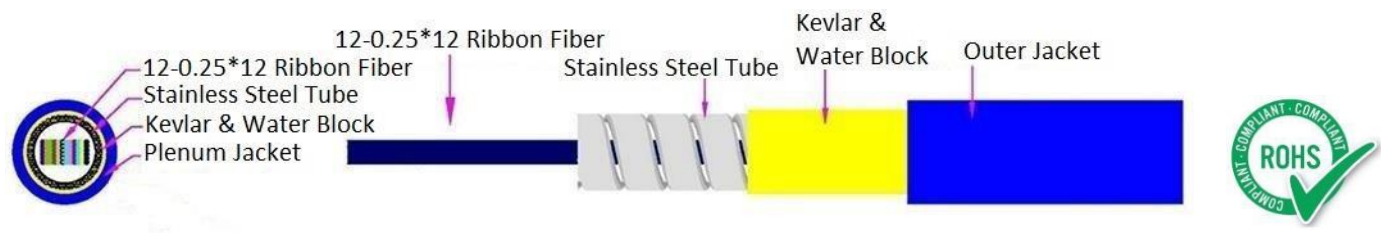
Feature	Benefits
Micro Armor Fiber™	1. The smallest OD of any armor compared to conventional optical fiber cable in size and flexibility 2. Lightest and smallest armor makes routing and installation faster and easier 3. Cables are up to 65% smaller and 75% lighter than conventional Aluminum Interlocking Armor (AIA)
Encased Stainless Steel Coiled Tubular Armor	1. Provides the strongest armor with maximum bend radius and designed for all indoor & outdoor conditions 2. Crush and rodent resistance for multiple usages
Outer Jackets	1. All jackets and colors for Riser, Plenum, Indoor/Outdoor, LSZH, Burial & Industrial projects
MultiMode/SingleMode Strands	1. OS2, OM1, OM3, OM4 from 1 to 144 Strands (250u/900u/Ribbon) 2. Available in all standard connectors
Kevlar Fiber Strands	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	✓		✓

Micro Armor Fiber™ The Original Stainless Steel Armor SingleMode 144 Core Ribbon OS2 Armored Indoor/Outdoor Plenum Model # TF144-OS2-PLO-R

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/Outdoor Premise, Duct, Conduits and Patch
Fiber Category	SingleMode (OS2)
Fiber Make	BIF G.657.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	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	10.5 mm
Weight	120 kg/km
Stainless Steel Tube Outer Diameter	6.5 mm
Stainless Steel Tube Inner Diameter	5.7 mm
Wavelengths/Max. Attenuation	1310 nm/<0.35dB/km, 1550 nm/<0.25dB/km
Fiber core/cladding diameter	9/125 um
Fiber Count	One Hundred and Forty Four Ribbon (144) 12x12
Steel Braid	Dry Block Tape
Kevlar	1000dtex
Maximum Data Rate	Up to 100 GB
NEC Rating	OFCP