

Micro Armor Fiber™ The Original Stainless Steel Armor Single Mode 4 Fiber OS2 Armored Indoor/Outdoor Fiber Optic Cable Model #TF4-OS2-PLO

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 as well as Aerial installations.



Outer Jacket

Material: Plenum Rated
Color: Black
Outer Diameter: 4.5 mm

0.9mm Color Coded Fiber, Kevlar, Water Block, Steel Tube, Outer 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 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 Strands (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	✓		✓

Micro Armor Fiber™ The Original Stainless Steel Armor Single Mode 4 Fiber OS2 Armored Indoor/Outdoor Fiber Optic Cable Model #TF4-OS2-PLO

Common Installations: Ducts, conduits and indoor/outdoor 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	Single Mode (OS2)
Fiber	Clear Curve Bend Insensitive
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	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	4.5 mm
Weight	13 kg/km
Stainless Steel Tube Outer Diameter	3.2 mm
Stainless Steel Tube Inner Diameter	2.4 mm
Wavelengths/Max. Attenuation	1310 ≤ 0.35dB/km G1550 ≤ 0.25dB/km
Fiber Core/Cladding Diameter	9/125 mm
Fiber Count	4
Kevlar	1000dtex
Maximum Data Rate	Up to 100 GB
NEC Rating	OFCP