

Micro Armor Fiber™ The Original Stainless Steel Armor Single Mode 144 Fiber OS2 Armored Indoor/Outdoor Plenum Fiber Optic Cable 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 application: Telco, CATV, LAN, SAN, Broadcast, DAS, Communication, Security, Indoor, Outdoor and Aerial installations.



Outer Jacket
Material: Plenum Rated
Color: Black
Outer Diameter: 10.5 mm

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	1. Provides the strongest armor with smallest bend radius and designed for	
Tubular Armor	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	L. OS2, OM1, OM3, OM4 from 1 to 144 Fibers (250m/900m/Ribbon)	
Fibers	2. Compatible with all standard connectors	
Kevlar	1. Adds tensile strength and flexibility	

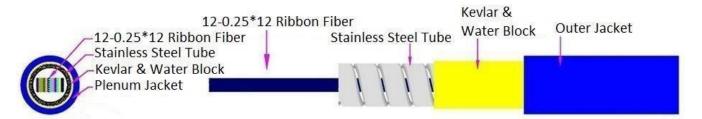
Competitive Product Analysis

Feature	Micro Armor Fiber™	Aluminum Interlock	Conventional
		Armor (AIA)	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 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	-20 °C to 80 °C (-4 °F to 158 °F)
Installation	-10 °C to 60 °C (14 °F to 140 °F)
Operation	-20 °C to 70 °C (-4 °F to 158 °F)
Max. Dynamic Tensile Strength	300 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	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 ≤ 0.4dB/km 1550 ≤ 0.3dB/km
Fiber Core/Cladding Diameter	9/125 mm
Fiber Count	144-R
Steel Braid/Water Block	No/Yes
Kevlar	1000dtex
Maximum Data Rate	Up to 100 GB
NEC Rating	OFCP