

Micro Armor Fiber™

Micro Armor Fiber™ The Original Stainless Steel Armor

Armored Polyurethane (PU) In/Out Fiber Optic Cable OM1, OM3, OM4 & Singlemode (2 Fiber)

Micro Armor Fiber™ 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: Polyurethane (PU) Color: Black(OM1), Black(OM3&4), Black(Singlemode)

Design and Test Criteria: ANSI/ICEA S-87-640 ICEA S-87-640

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 flexibility2. Lightest and smallest armor makes routing and installation faster and easier3. 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 outdoor conditions2. Crush and rodent resistance for multiple usages
Outer Jacket	<ol style="list-style-type: none">1. Polyethylene (PE)
MultiMode/SingleMode Strands	<ol style="list-style-type: none">1. 2 Strands2. 900u
Kevlar Fiber Strands	<ol style="list-style-type: none">1. Adds tensile strength and flexibility

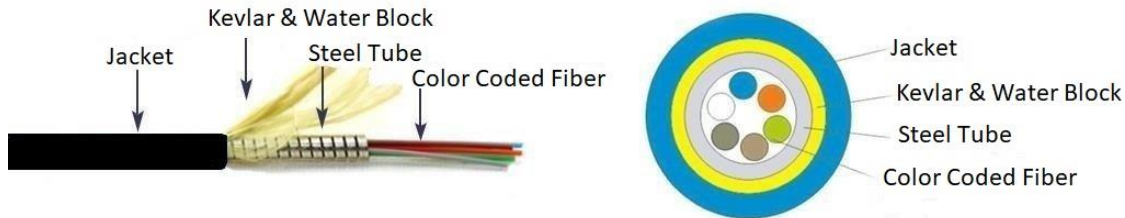
Competitive Product Analysis

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	✓		✓

Micro Armor Fiber™

Example of Jacket Construction

Note: Fiber Count will match choice made



General Specifications

Application	TAC Reel, Indoor / Outdoor, Conduits and Duct
Fiber Category	Multimode (OM1, OM3, and OM4) & Singlemode
Fiber Make	Corning InfiniCore OM1, Corning ClearCurve OM3, OM4 , SM G.652D
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	2F-200 N
Max. Static Tensile Strength	2F-100 N
Max. Dynamic Crush Resistance	5000 N
Max. Static Crush Resistance	3000 N
Min. Dynamic Bend Radius	20 x (outside diameter of the cable)
Min. Static Bend Radius	10 x (outside diameter of the cable)
Nominal Outer Diameter	2F-3.0 mm
Weight kg/km	2F-13
Wavelengths/Max. Attenuation	OM1- 850 nm/<3.0dB/km, 1300 nm/<1.0dB/km OM3 - 850 nm/<3.0dB/km, 1300 nm/<1.0dB/km OM4 - 1300 ≤ 1.0dB/km 850 ≤ 3.0dB/km SM- 1310 ≤ 0.35dB/km G1550 ≤ 0.25dB/km
Maximum Data Rate	OM1-10GB, OM3-4 100GB, SM - 100GB
Fiber core	OM1 62.5/125 um, OM3/4 50/125um, SM 9/125um