

Micro Armor Fiber™

Micro Armor Fiber™ The Original Stainless Steel Armor

Outdoor (OSP) Direct Burial Armored 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: Polyethylene (PE)
Color: Black(OM1), Black(OM3&4), Black(Singlemode)

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 |

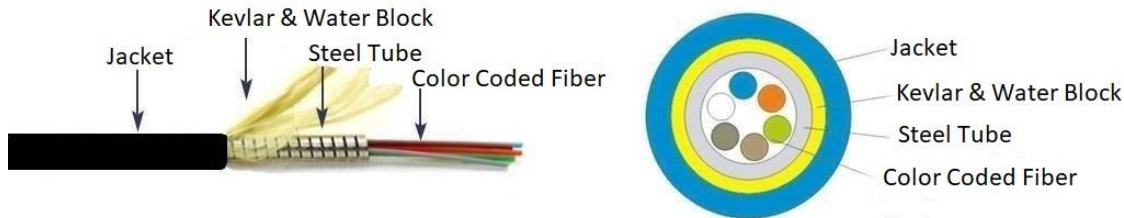
Competitive Product Analysis

| 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 | Outdoor, Direct Burial, Aerial, Conduits and Ducts |
| 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 |