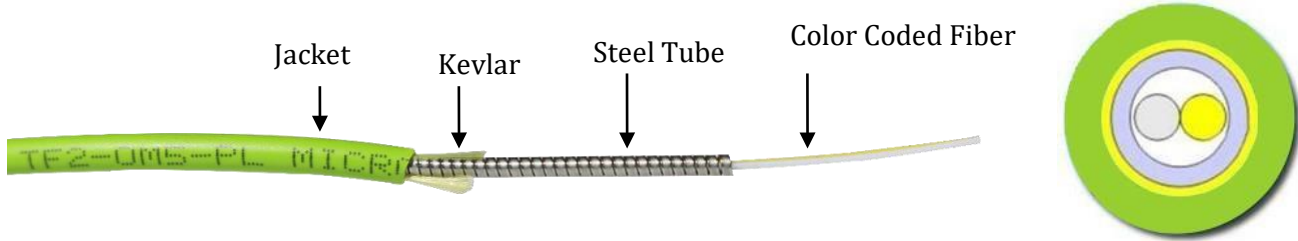


# Micro Armor Fiber™ The Original Stainless Steel Armor

## MultiMode 2 Core OM5 Indoor Plenum Armored Fiber Optical Cable

### Model # TF2-OM5-PL

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: Lime Green**  
**Outer Diameter: 3.0 mm**

**2\*0.6mm tight-buffered fiber, Kevlar, Steel tube, Outer Jacket (Lime Green) UL/OFCP**

### TiniFiber® Micro Armor Fiber™ Key Features

Feature	Benefits
<b>Micro Armor Fiber™</b>	<ol style="list-style-type: none"> <li>1. The smallest OD of any armor compared to conventional optical fiber cable in size and flexibility</li> <li>2. Lightest and smallest armor makes routing and installation faster and easier</li> <li>3. Cables are up to 65% smaller and 75% lighter than conventional Aluminum Interlocking Armor (AIA)</li> </ol>
<b>Encased Stainless Steel Coiled Tubular Armor</b>	<ol style="list-style-type: none"> <li>1. Provides the strongest armor with maximum bend radius and designed for all indoor &amp; outdoor conditions</li> <li>2. Crush and rodent resistance for multiple usages</li> </ol>
<b>Outer Jackets</b>	<ol style="list-style-type: none"> <li>1. All jackets and colors for Riser, Plenum, Indoor/Outdoor, LSZH, Burial &amp; Industrial projects</li> </ol>
<b>MultiMode/SingleMode Strands</b>	<ol style="list-style-type: none"> <li>1. OS2, OM1, OM3, OM4 from 1 to 144 Strands (250u/900u/Ribbon)</li> <li>2. Available in all standard connectors</li> </ol>
<b>Kevlar Fiber Strands</b>	<ol style="list-style-type: none"> <li>1. Adds tensile strength and flexibility</li> </ol>

### Parameters

Mandrel Radius (mm)	Numbers of Turns	Macroband Loss		
		850 nm	953nm	1300nm
15	2	≤ 0.1	≤ 0.1	≤ 0.3
7.5	2	≤ 0.2	≤ 0.2	≤ 0.5

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## MultiMode 2 Core OM5 Indoor Plenum Armored Fiber Optical Cable

Corning® ClearCurve® OM5 wide band multimode fiber is OM4 compliant ensuring backwards compatibility.

**Standards Compliance:** ISO/IEC 11801 Type OM5 Fiber, IEC 60793-2-10 Type A1a.4 Fiber, TIA/EIA 492AAAE

**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 Premise, Plenum and Patch
Fiber Category	MultiMode (OM5)
Fiber Make	Corning® ClearCurve® OM5
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	20D
Min. Static Bend Radius	10D
Nominal Outer Diameter	3.0 mm
Weight	13 kg/km
Stainless Steel Tube Outer Diameter	1.8 mm
Stainless Steel Tube Inner Diameter	1.25 mm
Wavelengths/Max. Attenuation	850 nm/<2.3dB/km, 953 nm/<1.7dB/km, 1300nm/<0.6dB/km
Fiber core/cladding diameter	50/125 um
Fiber Count	Two (2)
Steel Braid	No
Kevlar	1x1100dtex
Maximum Data Rate	100 GB
NEC Rating	OFCP