tiniFiber®

Flexible. Durable. Adaptable.

Product Catalog

OMNICABLE
EMPOWERING DISTRIBUTION®

Who is OmniCable?

OmniCable is a premier redistributor of wire and cable, electrical products, and value-added services. We empower our industry to be successful by providing an exceptional experience through operational excellence, accuracy and precision, and a partnership approach.

**Exceptional
Customer Experience**

**Operational
Excellence**

**Superior
Accuracy & Precision**

**Partnership Services
for Success**

**Trusted By
Distributors
Since 1977**

Our Mission

To empower shared success by being the best vendor to our customers, the best customer to our vendors and the best employer to our employees through innovation and collaboration.
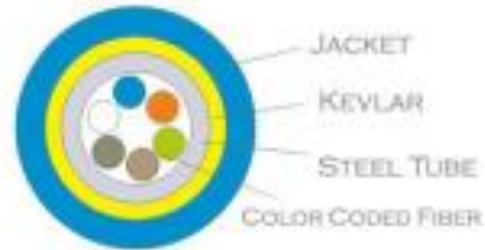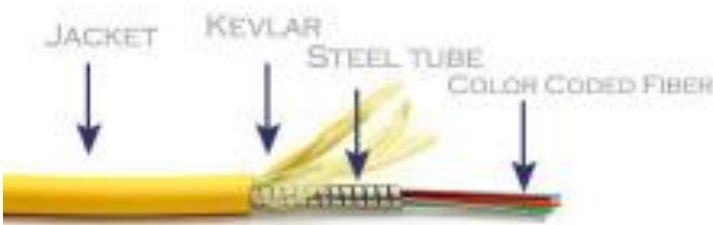
TiniFiber Products

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16	TF12-OS2-PL	12 Core 250um Singlemode OS2 Armored Plenum	012F OS2 LT IN OFCP MICRO ARM
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28	TF24-OS2-PL	24 Core 250um Singlemode OS2 Armored Plenum	024F OS2 LT IN OFCP MICRO ARM
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Micro Armor Fiber™ The Original Stainless Steel Armor
Single Mode 6 Fiber OS2 Armored Plenum Fiber Optic Cable
Model #TF6-OS2-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 application: Telco, CATV, LAN, SAN, Broadcast, DAS, Communication, Security, Indoor, Outdoor and Aerial installations.

Outer Jacket
Material: Plenum Rated
Color: Yellow
Outer Diameter: 6.5 mm

0.9mm Color Coded Fiber, Steel Tube,
Kevlar,
Outer Jacket, 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 Fibers (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	✔		✔

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Micro Armor Fiber™ The Original Stainless Steel Armor Single Mode 6 Fiber OS2 Armored Plenum Fiber Optic Cable Model #TF6-OS2-PL

Common Installations: Ducts, conduits and indoor when installed according to NEC® Article 770
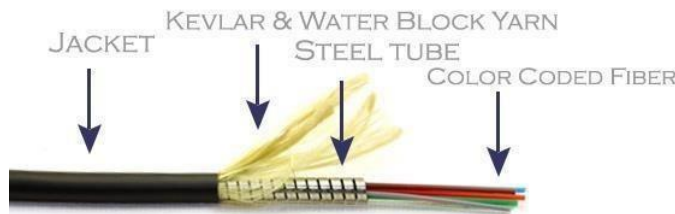**Design and Test Criteria:** ANSI/ICEA S-87-640

General Specifications

Application	Indoor Premise, 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	800 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	6.5 mm
Weight	55 kg/km
Stainless Steel Tube Outer Diameter	4.4 mm
Stainless Steel Tube Inner Diameter	3.2 mm
Wavelengths/Max. Attenuation	1310	≤ 0.4dB/km 1550	≤ 0.3dB/km
Fiber Core/Cladding Diameter	9/125 mm
Fiber Count	6
Steel Braid/Water Block	No/No
Kevlar	1100dtex
Maximum Data Rate	Up to 100 GB
NEC Rating	OFCP

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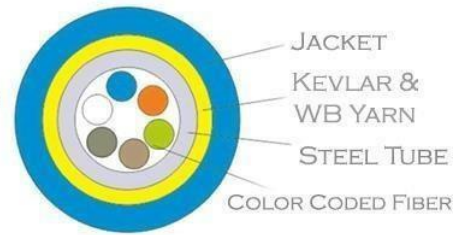Flexible. Durable. Adaptable.

Micro Armor Fiber™ The Original Stainless Steel Armor
Single Mode 6 Fiber OS2 Armored Indoor/Outdoor Plenum Fiber Optic Cable
Model #TF6-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 and Aerial installations.

JACKET · KEVLAR & WATER BLOCK YARN · STEEL TUBE · COLOR CODED FIBER

Outer Jacket
Material: Plenum Rated
Color: Black
Outer Diameter: 6.0 mm

JACKET · KEVLAR & WB YARN · STEEL TUBE · COLOR CODED FIBER

0.9mm Color Coded Fiber, Steel Tube, Kevlar, Water Block Yarn, Outer Jacket (Black), UL/OFCP

TiniFiber® Micro Armor Fiber™ Key Features

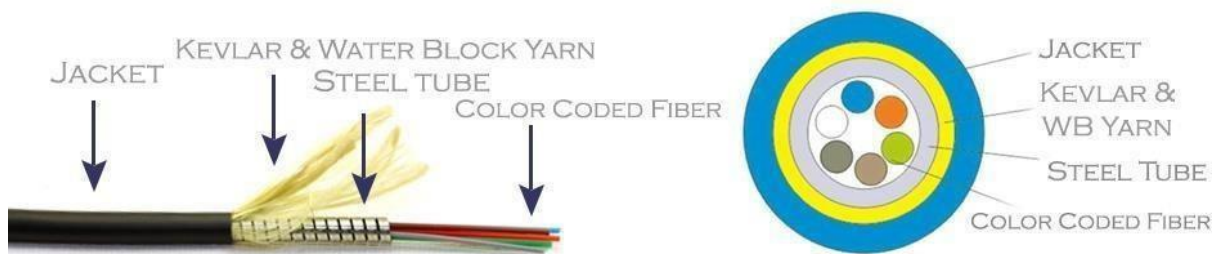| Feature	Benefits
Micro Armor Fiber™	1. The smallest OD of any armor compared to conventional optical fiber cable in size and flexibility 2. Lightest and smallest armor makes routing and installation faster and easier 3. Cables are up to 65% smaller and 75% lighter than conventional Aluminum Interlocking 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 Fibers (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 6 Fiber OS2 Armored Indoor/Outdoor Plenum Fiber Optic Cable
Model #TF6-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	800 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	6.5 mm
Weight	55 kg/km
Stainless Steel Tube Outer Diameter	4.4 mm
Stainless Steel Tube Inner Diameter	3.2 mm
Wavelengths/Max. Attenuation	1310 | ≤ 0.4dB/km 1550 | ≤ 0.3dB/km
Fiber Core/Cladding Diameter	9/125 mm
Fiber Count	6
Steel Braid/Water Block	No/No
Kevlar	1100dtex
Maximum Data Rate	Up to 100 GB
NEC Rating	OFCP

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Micro Armor Fiber™ The Original Stainless Steel Armor
Single Mode 6 Fiber OS2 OSP/Outdoor Armored Polyethylene Fiber Optic Cable
Model #TF6-OS2-PE

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: PE
Color: Black
Outer Diameter: 6.5mm

0.9mm Color Coded Fiber, Steel Tube,
Kevlar/Water Block Yarn,
Outer Jacket (Black) UL/OFC

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	✔		✔

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Micro Armor Fiber™ The Original Stainless Steel Armor
Single Mode 6 Fiber OS2 OSP/Outdoor Armored Polyethylene Fiber Optic Cable
Model #TF6-OS2-PE

Common Installations: Ducts, conduits and outdoor when installed according to NEC® Article 770
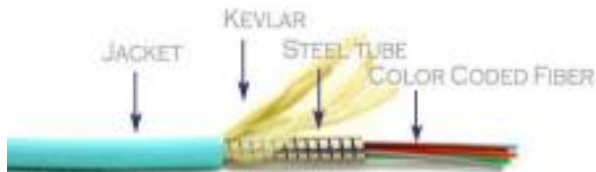**Design andTest Criteria:** ANSI/ICEA S-87-640

General Specifications

Application	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	800 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	6.5 mm
Weight	55 kg/km
Stainless Steel Tube Outer Diameter	4.4 mm
Stainless Steel Tube Inner Diameter	3.2 mm
Wavelengths/Max. Attenuation	1310	≤ 0.35dB/kmG1550	≤ 0.25dB/km
Fiber Core/cladding diameter	9/125 mm
Fiber Count	6
Kevlar	1000dtex
Maximum Data Rate	Up to 100 GB
NEC Rating	OFC

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Micro Armor Fiber™   The Original Stainless Steel Armor
Multimode 6 Fiber 900mm OM3 Plenum Armored Fiber Optic Cable
Model #TF6-OM3-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 application: Telco, CATV, LAN, SAN, Broadcast, DAS, Communication, Security, Indoor, Outdoor as well as Aerial installations.

Outer Jacket
Material: Plenum Rated
Color: Aqua
Outer Diameter: 6.5 mm

900mm Color Coded Fiber, Steel Tube, Kevlar, Water Block Yarn, Outer Jacket (Aqua) 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. Available in 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
Multimode 6 Fiber 900mm OM3 Plenum Armored Fiber Optic Cable
Model #TF6-OM3-PL

Common Installations: Ducts, conduits and indoor when installed according to NEC® Article 770
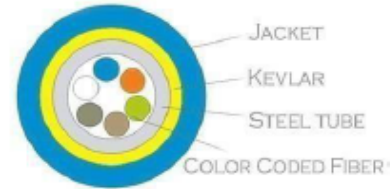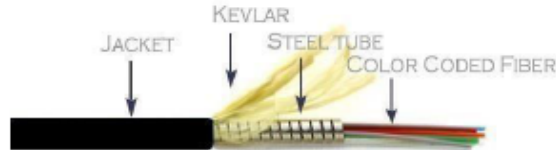**Design and Test Criteria:** ANSI/ICEA S-87-640

Competitive Product Analysis

Application	Indoor Premise, Duct, Conduits, and Patch
Fiber Category	Multimode (OM3)
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	800 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	6.5 mm
Weight	55 kg/km
Stainless Steel Tube Outer Diameter	4.4 mm
Stainless Steel Tube Inner Diameter	3.2 mm
Wavelengths/Max. Attenuation	850 nm/<3.0dB/km, 1300 nm/<1.0dB/km
Fiber Core/Cladding Diameter	50/125 mm
Fiber Count	6
Steel Braid/Water Block	No/No
Kevlar	1x1000dtex
Maximum Data Rate	10 GB
NEC Rating	OFCP

Micro Armor Fiber™ The Original Stainless Steel Armor MultiMode 6 Core 900um OM3 Armored Indoor/Outdoor Plenum Fiber Optic Cable Model # TF6-OM3-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 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: Black
Outer Diameter: 6.0 mm

900um color coded fiber, Steel tube, Kevlar,
Outer Jacket (Black) UV/OFCP
UL LISTED

TiniFiber® Micro Armor Fiber™ Key Features

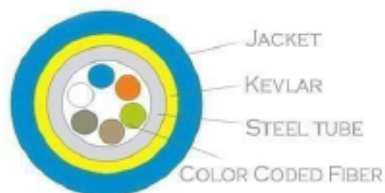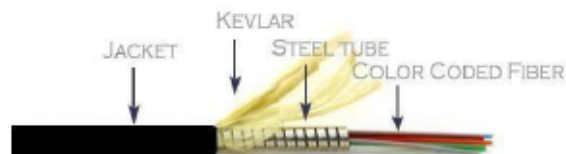| Feature	Benefits
Micro Armor Fiber™	1. The smallest OD of any armor compared to conventional optical fiber cable in size and flexibility 2. Lightest and smallest armor makes routing and installation faster and easier 3. Cables are up to 65% smaller and 75% lighter than conventional Aluminum Interlocking Armor (AIA)
Encased Stainless Steel Coiled Tubular Armor	1. Provides the strongest armor with maximum bend radius and designed for all indoor & outdoor conditions 2. Crush and rodent resistance for multiple usages
Outer Jackets	1. All jackets and colors for Riser, Plenum, Indoor/Outdoor, LSZH, Burial & Industrial projects
MultiMode/SingleMode Strands	1. OS2, OM1, OM3, OM4 from 1 to 144 Strands (250u/900u/Ribbon) 2. Available in all standard connectors
Kevlar Fiber Strands	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	✓		✓

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Micro Armor Fiber™   The Original Stainless Steel Armor MultiMode 6 Core 900um OM3 Armored Indoor/Outdoor Plenum Fiber Optic Cable Model # TF6-OM3-PLO

Common Installations: Ducts, conduits and indoor when installed according to NEC® Article 770
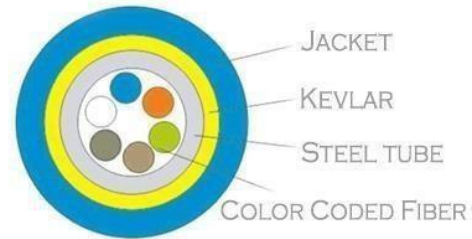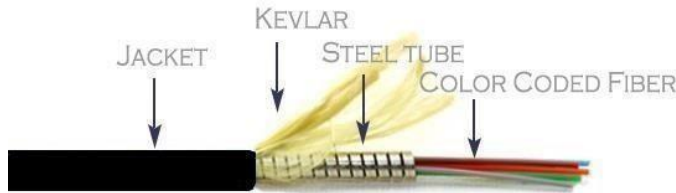**Design and Test Criteria:** ANSI/ICEA S-87-640

General Specifications

Application	Indoor, Outdoor, Duct, Conduits and Patch
Fiber Category	MultiMode (OM3)
Fiber Make	Corning ClearCurve OM3
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	800 N
Max. Static Tensile Strength	600 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	6.0 mm
Weight	55 kg/km
Stainless Steel Tube Outer Diameter	4.4mm
Stainless Steel Tube Inner Diameter	3.2 mm
Wavelengths/Max. Attenuation	850 nm/<3.0dB/km, 1300 nm/<1.0dB/km
Fiber core/cladding diameter	50/125 um
Fiber Count	Six (6)
Steel Braid/Water Block	No/No
Kevlar	1000dtex
Maximum Data Rate	40 GB
NEC Rating	OFCP

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Micro Armor Fiber™ The Original Stainless Steel Armor
Multimode 6 Fiber 900mm OM4 Armored Indoor/Outdoor Plenum Fiber Optic Cable
Model #TF6-OM4-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 application: Telco, CATV, LAN, SAN, Broadcast, DAS, Communication, Security, Indoor, Outdoor and Aerial installations.

Outer Jacket
Material: Plenum Rated-UV
Color: Black
Outer Diameter: 6.0 mm

900mm Color Coded Fiber, Steel Tube, Kevlar, Outer Jacket (Black) UV/OFCP

TiniFiber® Micro Armor Fiber™ Key Features

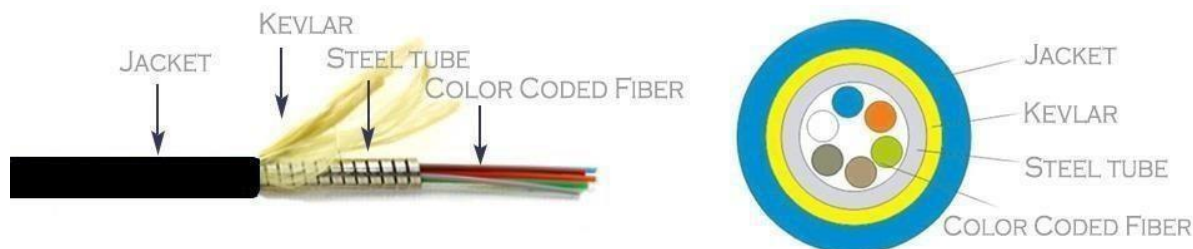| Feature	Benefits
Micro Armor Fiber™	1. The smallest OD of any armor compared to conventional optical fiber cable in size and flexibility 2. Lightest and smallest armor makes routing and installation faster and easier 3. Cables are up to 65% smaller and 75% lighter than conventional Aluminum Interlocking 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 Fibers (250m/900m/Ribbon) 2. Available in 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	✓		✓

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Micro Armor Fiber™ The Original Stainless Steel Armor
Multimode 6 Fiber 900mm OM4 Armored Indoor/Outdoor Plenum Fiber Optic Cable
Model #TF6-OM4-PL

Common Installations: Ducts, conduits and indoor when installed according to NEC® Article 770
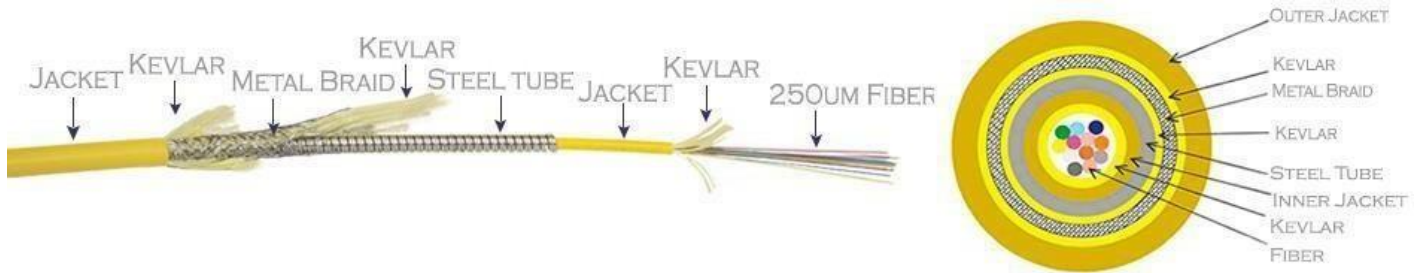**Design and Test Criteria:** ANSI/ICEA S-87-640

Competitive Product Analysis

Application	Indoor Premise, Duct, Conduits and Patch
Fiber Category	Multimode (OM4)
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	800 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	6.0 mm
Weight	55 kg/km
Stainless Steel Tube Outer Diameter	4.4 mm
Stainless Steel Tube Inner Diameter	3.2 mm
Wavelengths/Max. Attenuation	850 nm/<3.0dB/km, 1300 nm/<1.0dB/km
Fiber Core/Cladding Diameter	50/125 mm
Fiber Count	6
Steel Braid/Water Block	No/No
Kevlar	1000dtex
Maximum Data Rate	40 GB
NEC Rating	OFCP

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Micro Armor Fiber™ The Original Stainless Steel Armor
Single Mode 12 Fiber OS2 Armored Plenum Fiber Optic Cable
Model #TF12-OS2-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 application: Telco, CATV, LAN, SAN, Broadcast, DAS, Communication, Security, Indoor, Outdoor and Aerial installations.

Outer Jacket
Material: Plenum Rated
Color: Yellow
Outer Diameter: 5.5 mm

250mm Color Coded Fiber, Steel Tube,
Kevlar, Inner Jacket, Outer Jacket
(Yellow) UL/OFCP

TiniFiber® Micro Armor Fiber™ Key Features

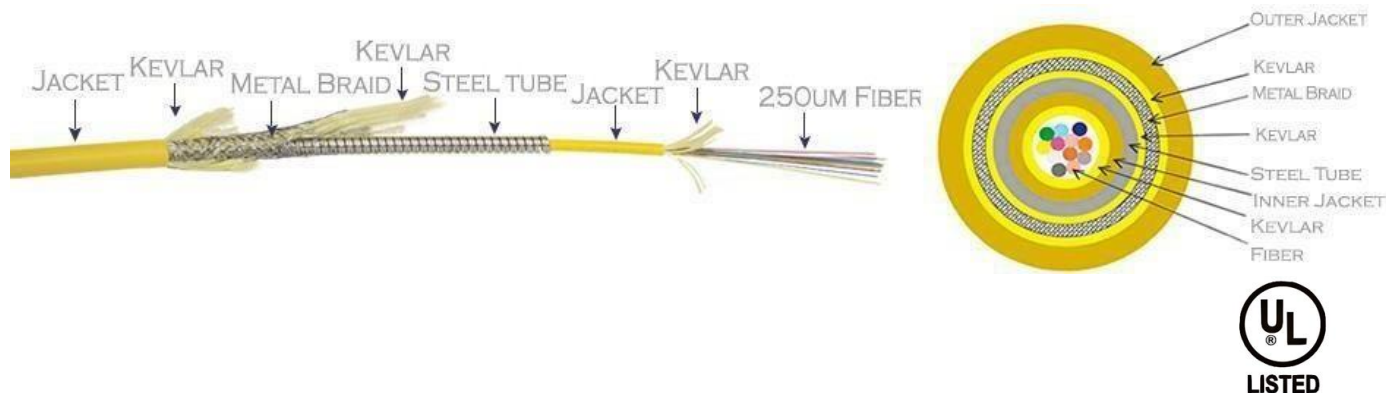| Feature	Benefits
Micro Armor Fiber™	1. The smallest OD of any armor compared to conventional optical fiber cable in size and flexibility 2. Lightest and smallest armor makes routing and installation faster and easier 3. Cables are up to 65% smaller and 75% lighter than conventional Aluminum Interlocking 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 Fibers (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 12 Fiber OS2 Armored Plenum Fiber Optic Cable
Model #TF12-OS2-PL

Common Installations: Ducts, conduits and indoor when installed according to NEC® Article 770
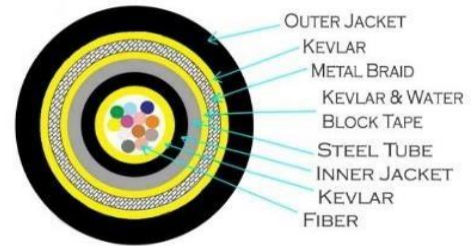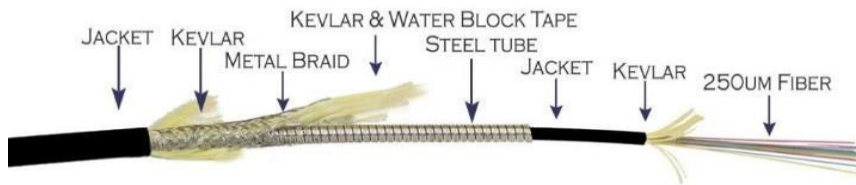**Design and Test Criteria:** ANSI/ICEA S-87-640

General Specifications

Application	Indoor Premise, Duct, Conduits and Patch
Fiber Category	Single Mode (OS2)
Fiber	Clear Curve Bend Insensitive
Storage	-40 °C to 40 °C (-40 °F to 176 °F)
Installation	-30 °C to 80 °C (-22 °F to 176 °F)
Operation	-40 °C to 40 °C (-40 °F to 176 °F)
Max. Dynamic Tensile Strength	800 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	5.5 mm
Weight	45 kg/km
Stainless Steel Tube Outer Diameter	3.5 mm
Stainless Steel Tube Inner Diameter	2.8 mm
Wavelengths/Max. Attenuation	1310	≤ 0.4dB/km 1550	≤ 0.3dB/km
Fiber Core/Cladding Diameter	9/125 mm
Fiber Count	12
Steel Braid/Water Block	No/No
Kevlar	1000dtex
Maximum Data Rate	Up to 100 GB
NEC Rating	OFCP

Micro Armor Fiber™ The Original Stainless Steel Armor
Single Mode 12 Fiber Ribbon OS2 Indoor/Outdoor Plenum Armored Fiber Optic Cable
Model #TF12-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 and Aerial installations.

Outer Jacket
Material: Plenum Rated
Color: Black
Outer Diameter: 7.5 mm

250mm Color Coded Fiber, Steel Tube, Kevlar, Water Block Yarn, Outer Jacket (Black) UL/OFCP

TiniFiber® Micro Armor Fiber™ Key Features

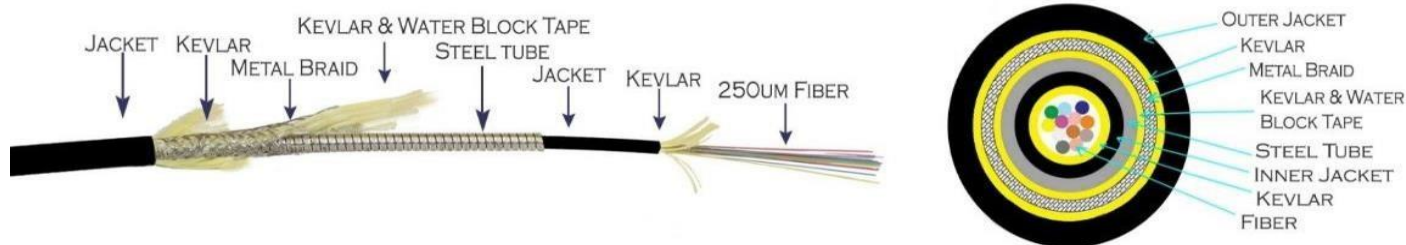| Feature	Benefits
Micro Armor Fiber™	1. The smallest OD of any armor compared to conventional optical fiber cable in size and flexibility 2. Lightest and smallest armor makes routing and installation faster and easier 3. Cables are up to 65% smaller and 75% lighter than conventional Aluminum Interlocking 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 Fibers (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 12 Fiber Ribbon OS2 Indoor/Outdoor Plenum Armored Fiber Optic Cable
Model #TF12-OS2-PLO

Common Installations: Ducts, conduits and indoor/outdoor when installed according to NEC® Article 770
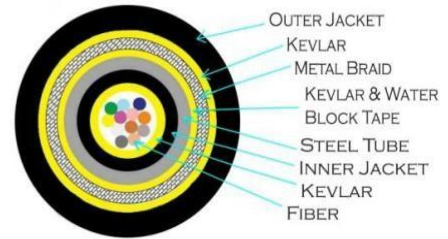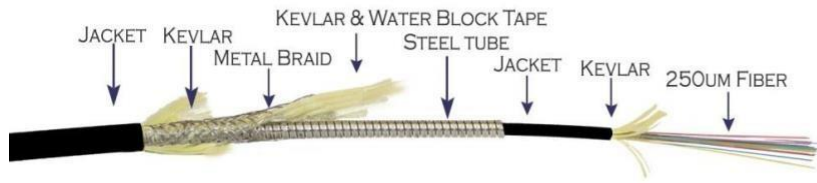**Design and Test Criteria:** ANSI/ICEA S-87-640

General Specifications

Application	Indoor/Outdoor Premise, Duct, Conduits and Patch
Fiber Category	Single Mode (OS2)
Fiber	Clear Curve Bend Insensitive
Storage	-40 °C to 40 °C (-40 °F to 176 °F)
Installation	-30 °C to 80 °C (-22 °F to 176 °F)
Operation	-40 °C to 40 °C (-40 °F to 176 °F)
Max. Dynamic Tensile Strength	800 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	7.5 mm
Weight	85 kg/km
Stainless Steel Tube Outer Diameter	5.8 mm
Stainless Steel Tube Inner Diameter	4.2 mm
Wavelengths/Max. Attenuation	1310 | ≤ 0.4dB/km 1550 | ≤ 0.3dB/km
Fiber Core/Cladding Diameter	9/125 mm
Fiber Count	12
Steel Braid/Water Block	Yes/Yes
Kevlar	1000dtex
Maximum Data Rate	Up to 100 GB
NEC Rating	OFCP

tiniFiber®
Flexible. Durable. Adaptable.

Micro Armor Fiber™ The Original Stainless Steel Armor
Single Mode 12 Fiber OS2 Armored OSP/Outdoor Polyethylene Fiber Optic Cable
Model #TF12-OS2-PE

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: PE
Color: Black
Outer Diameter: 5.0 mm

250mm Color Coded Fiber, Steel Tube,
Kevlar, Steel Braid, Water Block Yarn,
Inner Jacket, Outer Jacket UL/OFC

TiniFiber® Micro Armor Fiber™ Key Features

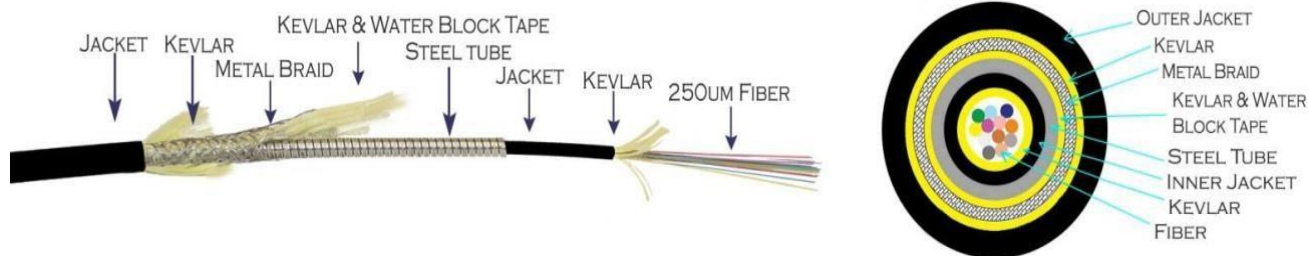| Feature	Benefits
Micro Armor Fiber™	1. The smallest OD of any armor compared to conventional optical fiber cable in size and flexibility 2. Lightest and smallest armor makes routing and installation faster and easier 3. Cables are up to 65% smaller and 75% lighter than conventional Aluminum Interlocking 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 Fibers (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	✔		✔

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Flexible. Durable. Adaptable.

Micro Armor Fiber™ The Original Stainless Steel Armor
Single Mode 12 Fiber OS2 Armored OSP/Outdoor Polyethylene Fiber Optic Cable
Model #TF12-OS2-PE

Common Installations: Ducts, conduits and outdoor when installed according to NEC® Article 770
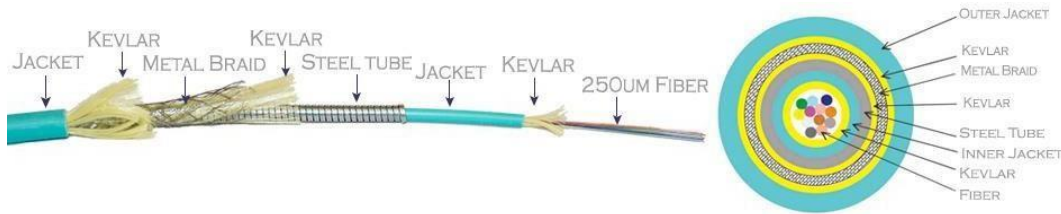**Design and Test Criteria:** ANSI/ICEA S-87-640

General Specifications

Application	Outdoor Premise, Duct, Conduits and Patch
Fiber Category	Single Mode (OS2)
Fiber	Clear Curve Bend Insensitive
Storage	-40 °C to 40 °C (-40 °F to 176 °F)
Installation	-30 °C to 80 °C (-22 °F to 176 °F)
Operation	-40 °C to 40 °C (-40 °F to 176 °F)
Max. Dynamic Tensile Strength	800 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	5.0 mm
Weight	55 kg/km
Stainless Steel Tube Outer Diameter	3.5 mm
Stainless Steel Tube Inner Diameter	2.8 mm
Wavelengths/Max. Attenuation	1310 | ≤ 0.4dB/km 1550 | ≤ 0.3dB/km
Fiber Core/Cladding Diameter	9/125 mm
Fiber Count	12
Steel Braid/Water Block	Yes/Yes
Kevlar	1000dtex
Maximum Data Rate	Up to 100 GB
NEC Rating	OFC

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Micro Armor Fiber™ The Original Stainless Steel Armor
Multimode 12 Fiber 900mm OM3 Plenum Armored Fiber Optic Cable
Model #TF12-OM3-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 application: Telco, CATV, LAN, SAN, Broadcast, DAS, Communication, Security, Indoor, Outdoor and Aerial installations.

Outer Jacket
Material: Plenum Rated
Color: Aqua
Outer Diameter: 5.5 mm

250mm Color Coded Fiber, Kevlar, Inner Jacket, Steel Tube, Kevlar, Braid, Kevlar, OuterJacket (Aqua) UL/OFCP

TiniFiber® Micro Armor Fiber™ Key Features

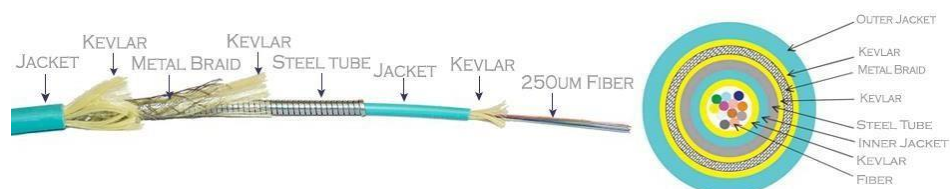| Feature	Benefits
Micro Armor Fiber™	1. The smallest OD of any armor compared to conventional optical fiber cable in size and flexibility 2. Lightest and smallest armor makes routing and installation faster and easier 3. Cables are up to 65% smaller and 75% lighter than conventional Aluminum Interlocking 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 ModeFibers	1. OS2, OM1, OM3, OM4 from 1 to 144 Fibers (250m/900m/Ribbon) 2. Available in 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	✓		✓

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Micro Armor Fiber™ The Original Stainless Steel Armor
Multimode 12 Fiber 900mm OM3 Plenum Armored Fiber Optic Cable
Model #TF12-OM3-PL

Common Installations: Ducts, conduits and indoor when installed according to NEC® Article 770
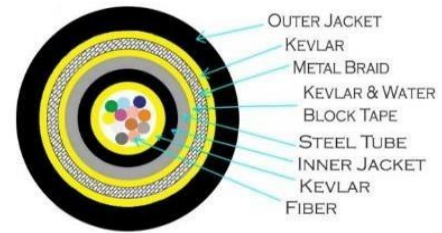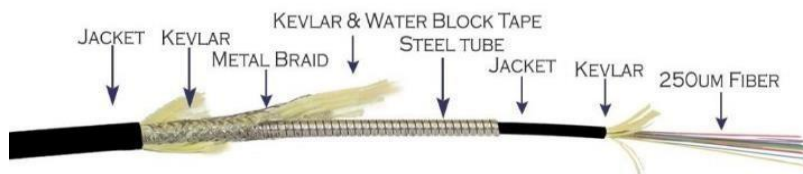**Design and Test Criteria:** ANSI/ICEA S-87-640

Competitive Product Analysis

Application	Indoor Premise, Duct, Conduits and Patch
Fiber Category	Multimode (OM3)
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	800 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	5.5 mm
Weight	45 kg/km
Stainless Steel Tube Outer Diameter	3.5mm
Stainless Steel Tube Inner Diameter	2.8 mm
Wavelengths/Max. Attenuation	850 nm/<3.0dB/km, 1300 nm/<1.0dB/km
Fiber Core/Cladding Diameter	50/125 mm
Fiber Count	12
Steel Braid/Water Block	Yes/No
Kevlar	1000dtex
Maximum Data Rate	40 GB
NEC Rating	OFCP

Flexible. Durable. Adaptable.

Micro Armor Fiber™ The Original Stainless Steel Armor
Multimode 12 Fiber 250mm OM3 Armored Indoor/Outdoor Plenum Fiber Optic Cable Model #TF12-OM3-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 and Aerial installations.

Outer Jacket
Material: Plenum Rated
Color: Black
Outer Diameter: 5.5 mm

250mm Color Coded Fiber, Kevlar, Inner Jacket, Steel Tube, Kevlar, Braid, Kevlar, 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 ModeFibers	1. OS2, OM1, OM3, OM4 from 1 to 144 Fibers (250m/900m/Ribbon) 2. Available in all standard connectors
Kevlar	1. Adds tensile strength and flexibility

Competitive Product Analysis

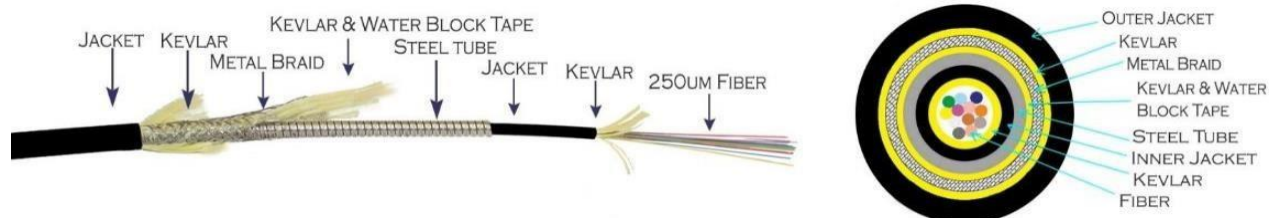| Feature	Micro Armor Fiber™	Aluminum Interlock Armor (AIA)	Conventional Fiber Cable Jacket
Small Bend Radius	✓		✓
Smallest OD With Armor	✓		
Lightest Armor	✓		
Strongest Armor	✓	✓	
Lowest Installation Cost	✓		✓

tiniFiber®
Flexible. Durable. Adaptable.

Micro Armor Fiber™ The Original Stainless Steel Armor
Multimode 12 Fiber 250mm OM3 Armored Indoor/Outdoor Plenum Fiber Optic Cable
Model #TF12-OM3-PLO

Common Installations: Ducts, conduits and indoor/outdoor when installed according to NEC® Article 770
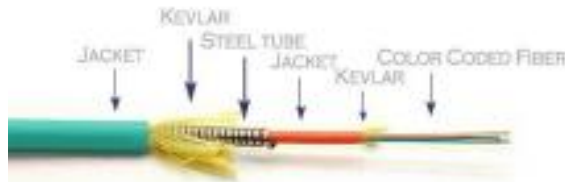**Design and Test Criteria:** ANSI/ICEA S-87-640

Competitive Product Analysis

Application	Indoor/Outdoor Premise, Duct, Conduits and Patch
Fiber Category	Multimode (OM3)
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	800 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	5.5 mm
Weight	45 kg/km
Stainless Steel Tube Outer Diameter	3.5mm
Stainless Steel Tube Inner Diameter	2.8 mm
Wavelengths/Max. Attenuation	850 nm/<3.0dB/km, 1300 nm/<1.0dB/km
Fiber Core/Cladding Diameter	50/125 mm
Fiber Count	12
Steel Braid/Water Block	Yes/Yes
Kevlar	1000dtex
Maximum Data Rate	10 GB
NEC Rating	OFCP

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Micro Armor Fiber™ The Original Stainless Steel Armor Multimode 12 Fiber 250mm OM4 Plenum Armored Fiber Optic Cable Model #TF12-OM4-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 application: Telco, CATV, LAN, SAN, Broadcast, DAS, Communication, Security, Indoor, Outdoor and Aerial installations.

Outer Jacket
Material: Plenum Rated
Color: Aqua
Outer Diameter: 5.5 mm

250mm Color Coded Fiber, Kevlar, Inner Jacket, Steel Tube, Outer Jacket (Aqua)
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 Fibers (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	✔		✔

tiniFiber®
Flexible. Durable. Adaptable.

Micro Armor Fiber™ The Original Stainless Steel Armor Multimode 12 Fiber 250mm OM4 Plenum Armored Fiber Optic Cable Model #TF12-OM4-PL

Common Installations: Ducts, indoor and plenum when installed according to NEC® Article 770
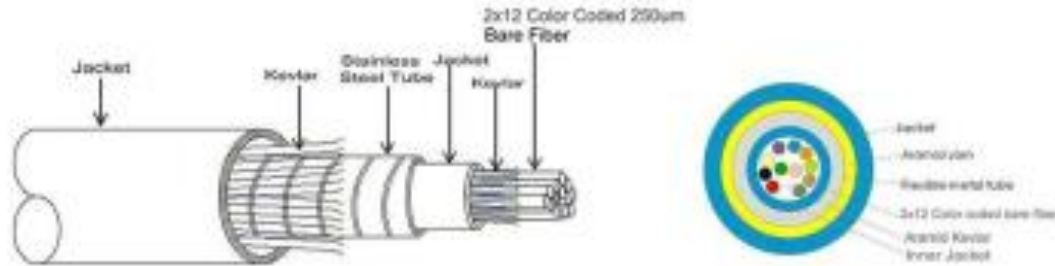**Design and Test Criteria:** ANSI/ICEA S-87-640

General Specifications

Application	Indoor, Duct, Conduits, and Patch
Fiber Category	Multimode (OM4)
Fiber	Clear Curve Bend Insensitive
Storage	-40 °C to 80 °C (-4 °F to 158 °F)
Installation	-30 °C to 80 °C (-10 °F to 140 °F)
Operation	-40 °C to 80 °C (-4 °F to 158 °F)
Max. Dynamic Tensile Strength	800 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	6.5 in
Weight	45 kg/km
Stainless Steel Tube Outer Diameter	3.5 mm
Stainless Steel Tube Inner Diameter	2.8 mm
Wavelengths/Max. Attenuation	1300 | ≤ 1.5dB/km 850 | ≤ 3.0 dB/km
Fiber Core/Cladding Diameter	50/125 mm
Fiber Count	12
Steel Braid/Water Block	No/No
Kevlar	1000dtex
Maximum Data Rate	40 GB
NEC Rating	OFCP

Micro Armor Fiber™ The Original Stainless Steel Armor
Single Mode 24 Fiber 250mm OS2 Armored Plenum Fiber Optic Cable
Model #TF24-OS2-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 application: Telco, CATV, LAN, SAN, Broadcast, DAS, Communication, Security, Indoor, Outdoor and Aerial installations.

Outer Jacket
Material: Plenum Rated
Color: Yellow
Outer Diameter: 6.0mm

250mm Color Coded Fiber, Steel Tube, Kevlar, Inner Jacket, Outer Jacket
UL/OFCP

TiniFiber® Micro Armor Fiber™ Key Features

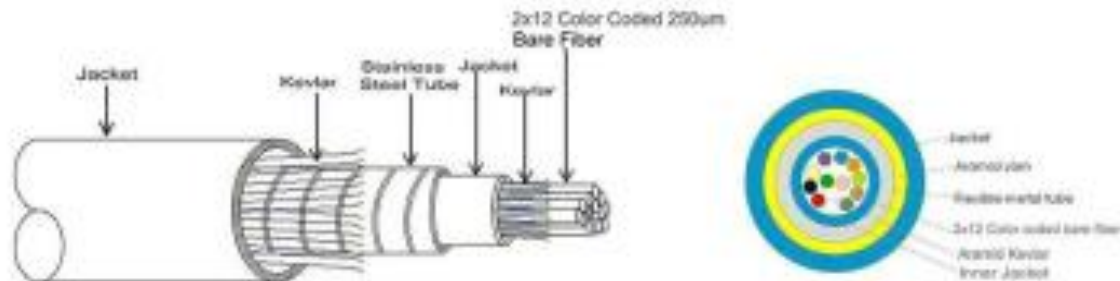| Feature	Benefits
Micro Armor Fiber™	1. The smallest OD of any armor compared to conventional optical fiber cable in size and flexibility 2. Lightest and smallest armor makes routing and installation faster and easier 3. Cables are up to 65% smaller and 75% lighter than conventional Aluminum Interlocking 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 Fibers (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	✔		✔

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Flexible. Durable. Adaptable.

Micro Armor Fiber™ The Original Stainless Steel Armor
Single Mode 24 Fiber 250mm OS2 Armored Plenum Fiber Optic Cable
Model #TF24-OS2-PL

Common Installations: Ducts, conduits and indoor when installed according to NEC® Article 770
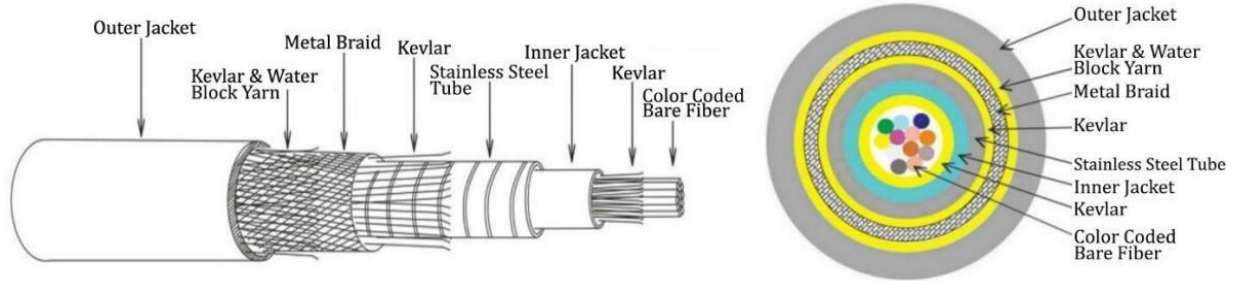**Design and Test Criteria:** ANSI/ICEA S-87-640

General Specifications

Application	Indoor Premise, Duct, Conduits and Patch
Fiber Category	Single Mode (OS2)
Fiber	Clear Curve Bend Insensitive
Storage	-40 °C to 40 °C (-40 °F to 176 °F)
Installation	-30 °C to 80 °C (-22 °F to 176 °F)
Operation	-40 °C to 40 °C (-40 °F to 176 °F)
Max. Dynamic Tensile Strength	800 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	6.0 mm
Weight	55 kg/km
Stainless Steel Tube Outer Diameter	4.2 mm
Stainless Steel Tube Inner Diameter	3.6 mm
Wavelengths/Max. Attenuation	1310	≤ 0.4dB/km 1550	≤ 0.3dB/km
Fiber Core/Cladding Diameter	9/125 mm
Fiber Count	24
Steel Braid/Water Block	No/No
Kevlar	1000dtex
Maximum Data Rate	Up to 100 GB
NEC Rating	OFCP

Micro Armor Fiber™ The Original Stainless Steel Armor
Single Mode 24 Fiber 250mm OS2 Armored OSP/Outdoor Polyethylene Fiber Optic Cable
Model #TF24-OS2-PE

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: PE
Color: Black
Outer Diameter: 6.5mm

250mm Color Coded Fiber, Steel Tube, Kevlar, Metal Braid, Water Block Yarn, Outer Jacket (Black) UL/OFC

TiniFiber® Micro Armor Fiber™ Key Features

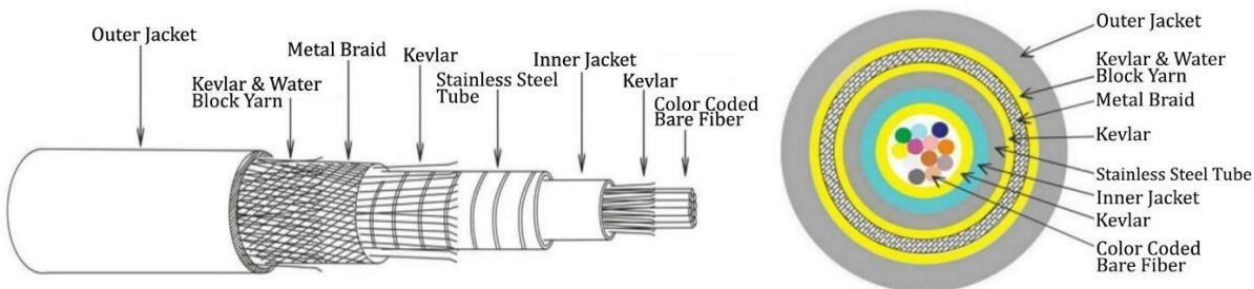| Feature	Benefits
Micro Armor Fiber™	1. The smallest OD of any armor compared to conventional optical fiber cable in size and flexibility 2. Lightest and smallest armor makes routing and installation faster and easier 3. Cables are up to 65% smaller and 75% lighter than conventional Aluminum Interlocking 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 Fibers (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	✔		✔

tiniFiber®
Flexible. Durable. Adaptable.

Micro Armor Fiber™ The Original Stainless Steel Armor
Single Mode 24 Fiber 250mm OS2 Armored OSP/Outdoor Polyethylene Fiber Optic Cable
Model #TF24-OS2-PE

Common Installations: Ducts, conduits and outdoor when installed according to NEC® Article 770
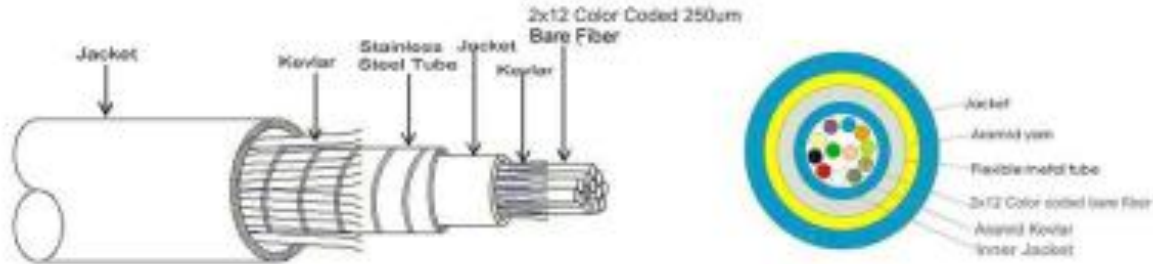**Design and Test Criteria:** ANSI/ICEA S-87-640

General Specifications

Application	Outdoor Premise, Duct, Conduits and Patch
Fiber Category	Single Mode (OS2)
Fiber	Clear Curve Bend Insensitive
Storage	-40 °C to 40 °C (-40 °F to 176 °F)
Installation	-30 °C to 80 °C (-22 °F to 176 °F)
Operation	-40 °C to 40 °C (-40 °F to 176 °F)
Max. Dynamic Tensile Strength	800 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	6.5 mm
Weight	60 kg/km
Stainless Steel Tube Outer Diameter	4.0 mm
Stainless Steel Tube Inner Diameter	3.4 mm
Wavelengths/Max. Attenuation	1310 | ≤ 0.4dB/km 1550 | ≤ 0.3dB/km
Fiber Core/Cladding Diameter	9/125 mm
Fiber Count	24
Steel Braid/Water Block	Yes/Yes
Kevlar	1000dtex
Maximum Data Rate	Up to 100 GB
NEC Rating	OFC

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Micro Armor Fiber™ The Original Stainless Steel Armor Multimode 24 Fiber 250mm OM3 Plenum Armored Fiber Optic Cable Model #TF24-OM3-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 application: Telco, CATV, LAN, SAN, Broadcast, DAS, Communication, Security, Indoor, Outdoor and Aerial installations.

Outer Jacket
Material: Plenum Rated
Color: Aqua
Outer Diameter: 6.0 mm

250mm Color Coded Fiber, Kevlar, Inner Jacket, Steel Tube, Outer Jacket (Aqua)
UL/OFCP

TiniFiber® Micro Armor Fiber™ Key Features

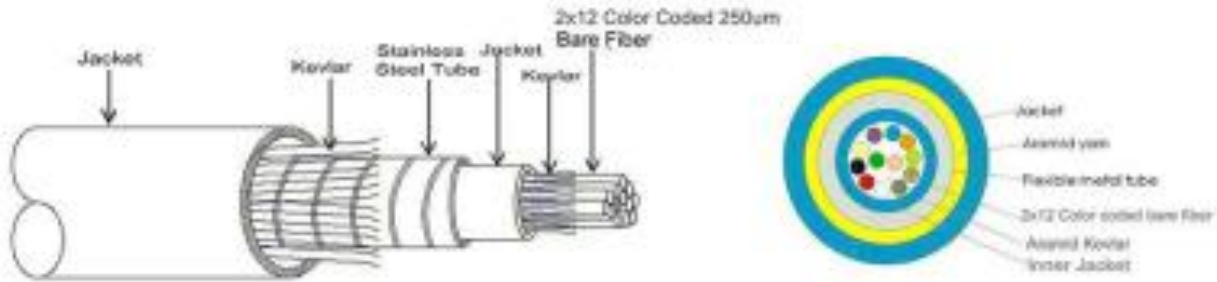| Feature	Benefits
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Encased Stainless Steel Coiled Tubular Armor	1. Provides the strongest armor with smallest bend radius and designed for all indoor & outdoor conditions 2. Crush and rodent resistance
Outer Jackets	1. All jackets and colors for Riser, Plenum, Indoor/Outdoor, LSZH, Burial & Industrial projects
Multimode/Single Mode Fibers	1. OS2, OM1, OM3, OM4 from 1 to 144 Fibers (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	✔		✔

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Micro Armor Fiber™ The Original Stainless Steel Armor Multimode 24 Fiber 250mm OM3 Plenum Armored Fiber Optic Cable Model #TF24-OM3-PL

Common Installations: Ducts, conduit and indoor when installed according to NEC® Article 770
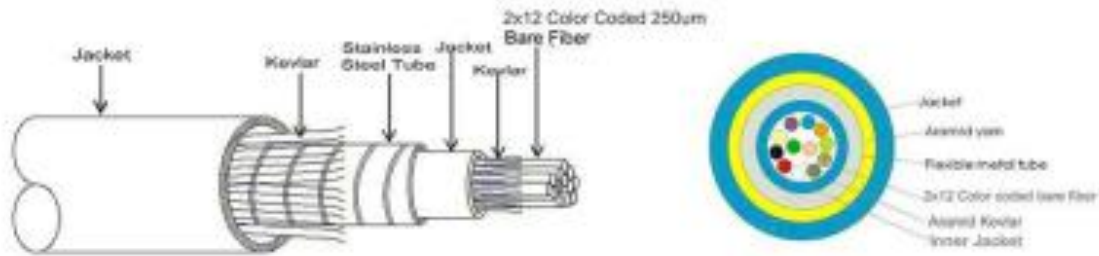**Design and Test Criteria:** ANSI/ICEA S-87-640

General Specifications

Application	Indoor Premise, Duct, Conduits, and Patch
Fiber Category	Multimode (OM3)
Fiber	Clear Curve Bend Insensitive
Storage	-40 °C to 80 °C (-4 °F to 158 °F)
Installation	-30 °C to 80 °C (-10 °F to 140 °F)
Operation	-40 °C to 80 °C (-4 °F to 158 °F)
Max. Dynamic Tensile Strength	800 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	6.0 mm
Weight	55 kg/km
Stainless Steel Tube Outer Diameter	4.2 mm
Stainless Steel Tube Inner Diameter	3.6 mm
Wavelengths/Max. Attenuation	1300	≤ 1.5dB/km 850	≤ 3.0 dB/km
Fiber Core/Cladding Diameter	50/125 mm
Fiber Count	24
Steel Braid/Water Block	No/No
Kevlar	1000dtex
Maximum Data Rate	40 GB
NEC Rating	OFCP

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Micro Armor Fiber™ The Original Stainless Steel Armor Multimode 24 Fiber 250mm OM4 Plenum Armored Fiber Optic Cable Model #TF24-OM4-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 application: Telco, CATV, LAN, SAN, Broadcast, DAS, Communication, Security, Indoor, Outdoor and Aerial installations.

Outer Jacket
Material: Plenum Rated
Color: Aqua
Outer Diameter: 6.0 mm

250mm Color Coded Fiber, Kevlar, Inner Jacket, Steel Tube, Outer Jacket (Aqua)
UL/OFCP

TiniFiber® Micro Armor Fiber™ Key Features

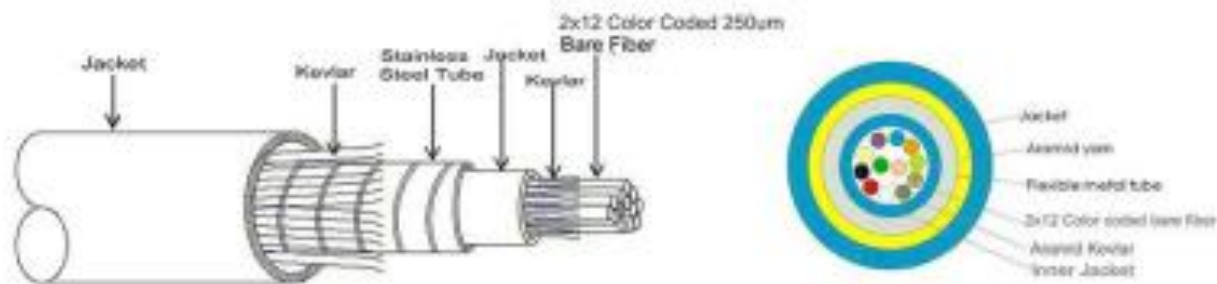| Feature	Benefits
Micro Armor Fiber™	1. The smallest OD of any armor compared to conventional optical fiber cable in size and flexibility 2. Lightest and smallest armor makes routing and installation faster and easier 3. Cables are up to 65% smaller and 75% lighter than conventional Aluminum Interlocking 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 Fibers (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	✔		✔

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Micro Armor Fiber™ The Original Stainless Steel Armor Multimode 24 Fiber 250mm OM4 Plenum Armored Fiber Optic Cable Model #TF24-OM4-PL

Common Installations: Ducts, conduits, and indoor when installed according to NEC® Article 770
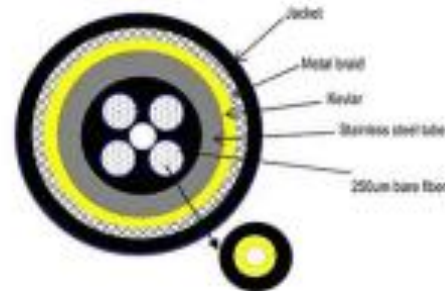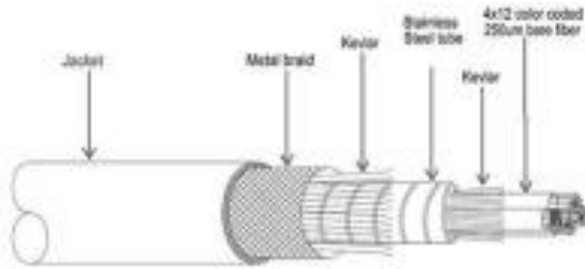**Design and Test Criteria:** ANSI/ICEA S-87-640

General Specifications

Application	Indoor Premise, Duct, Conduits, and Patch
Fiber Category	Multimode (OM4)
Fiber	Clear Curve Bend Insensitive
Storage	-40 °C to 80 °C (-4 °F to 158 °F)
Installation	-30 °C to 80 °C (-10 °F to 140 °F)
Operation	-40 °C to 80 °C (-4 °F to 158 °F)
Max. Dynamic Tensile Strength	800 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	6.0 mm
Weight	55 kg/km
Stainless Steel Tube Outer Diameter	4.2 mm
Stainless Steel Tube Inner Diameter	3.6 mm
Wavelengths/Max. Attenuation	1300 | ≤ 1.5dB/km 850 | ≤ 3.0 dB/km
Fiber Core/Cladding Diameter	50/125 mm
Fiber Count	24
Steel Braid/Water Block	No/No
Kevlar	1000dtex
Maximum Data Rate	40 GB
NEC Rating	OFCP

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Micro Armor Fiber™ The Original Stainless Steel Armor
Single Mode 48 Fiber 250mm OS2 Armored Plenum Fiber Optic Cable
Model #TF48-OS2-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 application: Telco, CATV, LAN, SAN, Broadcast, DAS, Communication, Security, Indoor, Outdoor and Aerial installations.

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

250mm Color Coded Fiber, Steel Tube, Kevlar, Metal Braiding, Inner Jacket, Outer Jacket UL/OFCP

TiniFiber® Micro Armor Fiber™ Key Features

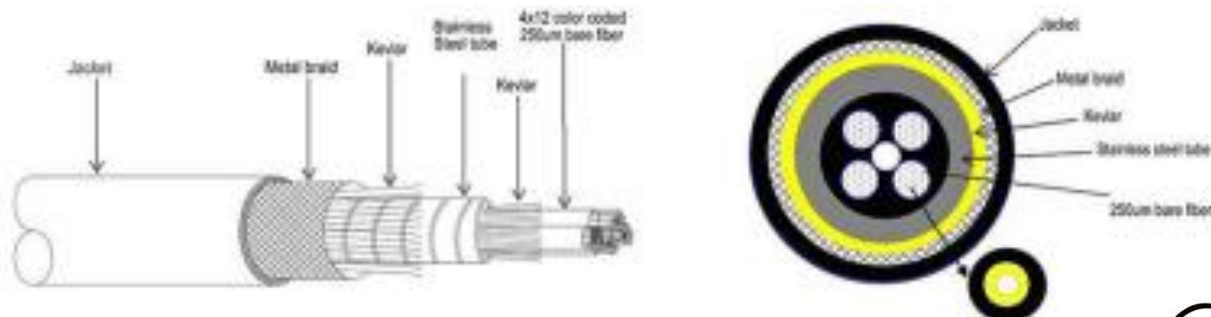| Feature	Benefits
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Encased Stainless Steel Coiled Tubular Armor	1. Provides the strongest armor with smallest bend radius and designed for all indoor & outdoor conditions 2. Crush and rodent resistance
Outer Jackets	1. All jackets and colors for Riser, Plenum, Indoor/Outdoor, LSZH, Burial & Industrial projects
Multimode/Single Mode Fibers	1. OS2, OM1, OM3, OM4 from 1 to 144 Fibers (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	✔		✔

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Micro Armor Fiber™ The Original Stainless Steel Armor
Single Mode 48 Fiber 250mm OS2 Armored Plenum Fiber Optic Cable
Model #TF48-OS2-PL

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, Duct, Conduits and Patch
Fiber Category	Single Mode (OS2)
Fiber	Clear Curve Bend Insensitive
Storage	-40 °C to 40 °C (-40 °F to 176 °F)
Installation	-30 °C to 80 °C (-22 °F to 176 °F)
Operation	-40 °C to 40 °C (-40 °F to 176 °F)
Max. Dynamic Tensile Strength	800 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	10.0 mm
Weight	150 kg/km
Stainless Steel Tube Outer Diameter	8.0 mm
Stainless Steel Tube Inner Diameter	7.5 mm
Wavelengths/Max. Attenuation	1310 | ≤ 0.4dB/km 1550 | ≤ 0.3dB/km
Fiber Core/Cladding Diameter	9/125 mm
Fiber Count	48
Steel Braid/Water Block	Yes/No
Kevlar	1000dtex
Maximum Data Rate	Up to 100 GB
NEC Rating	OFCP

OMNICABLE
EMPOWERING DISTRIBUTION®

Our Story

Omni Cable, LLC (OmniCable) is a premier redistributor of wire and cable, electrical products, and value-added services. OmniCable empowers our industry to be successful by providing an exceptional experience through operational excellence, accuracy and precision, and a partnership approach. With a multi-million dollar inventory and the acquisition of Houston Wire & Cable, we offer distributors products from the industry's leading manufacturers. Since our founding in 1977, we only sell to distributors.

Mission

To empower shared success by being the best vendor to our customers, the best customer to our vendors, and the best employer to our employees through innovation and collaboration.