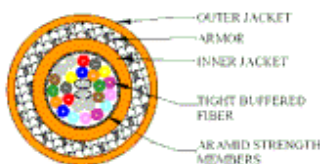


## M97769 Fiber - Tight Buffer Steel Interlock Armor Cables - Plenum (OFCP)



For more Information  
please call

1-800-Belden1

**Description:**

FiberExpress Interlock Armor Optical Fiber cables have a rugged construction that affords superior protection in adverse environments yet can also be installed in general purpose, riser and plenum environments.

**Physical Characteristics (Overall)**

<b>Fiber Type:</b>	62.5/125/900 Micron
<b>Number of Fibers:</b>	24
<b>Core Diameter:</b>	62.5
<b>Clad Diameter:</b>	125
<b>Primary Coating Material:</b>	Acrylate
<b>Primary Coating Diameter:</b>	245
<b>Secondary Coating Material:</b>	Plenum Grade PVC - Polyvinyl Chloride
<b>Secondary Coating Diameter:</b>	900

**Fiber Color Code Chart:**

Color
Blue
Orange
Green
Brown
Slate
White
Red
Black
Yellow
Violet
Rose
Aqua
Blue/Black
Orange/Black
Green/Black
Brown/Black
Slate/Black
White/Black
Red/Black
Black/White
Yellow/Black
Violet/Black
Rose/Black
Aqua/Black

**Inner Jacket**

**Inner Jacket Nominal Wall Thickness:** 0.030

**Inner Jacket Color Code Chart:**

Number	Color
1	Orange

**Outer Jacket**

**Outer Jacket Material:**

Outer Jacket Material

## M97769 Fiber - Tight Buffer Steel Interlock Armor Cables - Plenum (OFCP)

Plenum Grade PVC - Polyvinyl Chloride

Outer Jacket Nominal Wall Thickness: 0.028

Outer Jacket Diameter:

 Nom. Dia. (in.)  
 0.631

Outer Jacket Color: Orange

## Strength Member

Strength Member Material: Aramid Yarn, Fiberglass Epoxy Rod

## Armor

Armor Type: Interlocking Steel

Armor Material: Steel

Armor Thickness: 0.1225

Diameter over Armor: 0.575

## Overall Cabling

Overall Nominal Diameter: 0.631 in.

## Mechanical Characteristics (Overall)

Storage Temperature Range: -40°C To +80°C

Operating Temperature Range: -20°C To +70°C

Min. Bend Radius (Install)/Minor Axis: 12.620 in.

Min. Bend Radius for Long Term Application: 9.465 in.

Crush Resistance: 2000 N/cm

Impact Resistance: 2000 Impacts w/1.6 N•m

Cyclic Flexing: 2000 Cycles min.

Max. Load for Installation: 390 lbs.

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

NEC/(UL) Specification: OFCP

CEC/C(UL) Specification: OFC

IEEE Specification: 802.3z

Telecommunications Standards: TIA/EIA-568B

## Flame Test

C(UL) Flame Test: FT6

## Suitability

Suitability - Indoor: Yes

Suitability - Outdoor: No

## Plenum/Non-Plenum

Plenum (Y/N): Yes

## Optical Characteristics (Overall)

Maximum Attenuation @ 850nm: 3.50 dB/km

Maximum Attenuation @ 1300nm: 1.25 dB/km

Minimum Bandwidth @ 850nm: 200 MHz\*km

Minimum Bandwidth @ 1300nm: 500 MHz\*km

Maximum Gigabit Ethernet Length @ 850nm: 300

## M97769 Fiber - Tight Buffer Steel Interlock Armor Cabels - Plenum (OFCP)

Maximum Gigabit Ethernet Length @ 1300nm:	550
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### Notes (Overall)

**Notes:** This cable is designed for use in indoor applications. It can also be used in interbuilding applications as outlined in technical advisory # 21.

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
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