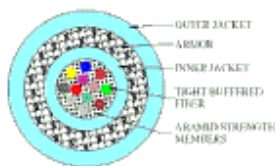


## M97664 Fiber - Tight Buffer Steel Interlock Armor Cables - Plenum (OFCP)



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>	50/125/900 Micron
<b>Number of Fibers:</b>	12
<b>Core Diameter:</b>	50
<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

**Inner Jacket**

**Inner Jacket Nominal Wall Thickness:** .025

**Inner Jacket Color Code Chart:**

Number	Color
1	Aqua

**Outer Jacket****Outer Jacket Material:**

Outer Jacket Material
Plenum Grade PVC - Polyvinyl Chloride

**Outer Jacket Nominal Wall Thickness:** .028

**Outer Jacket Diameter:**

Nom. Dia. (in.)
.531

**Outer Jacket Color:** Aqua

**Outer Jacket over Armor (y/n):** Y

**Outer Jacket over Armor**

**M97664 Fiber - Tight Buffer Steel Interlock Armor Cabels - Plenum (OFCP)**

Outer Jacket Material over Armor Separator Under Jacket (y/n):	No
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Outer Jacket Wall Thickness Over Armor:	.028
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Diameter over Jacket and Armor:	.531
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**Strength Member**

Strength Member Material:	Aramid Yarn
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**Armor**

Armor Type:	Interlocking Steel
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Armor Material:	Steel
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Armor Thickness:	.125
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Diameter over Armor:	.475
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**Overall Cabling**

Overall Nominal Diameter:	0.531 in.
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**Mechanical Characteristics (Overall)**

Storage Temperature Range:	-40°C To +80°C
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Operating Temperature Range:	-20°C To +70°C
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Min. Bend Radius (Install)/Minor Axis:	10.620 in.
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Min. Bend Radius for Long Term Application:	7.965 in.
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Crush Resistance:	2000 N/cm
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Impact Resistance:	2000 Impacts w/1.6 N•m
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Cyclic Flexing:	2000 Cycles min.
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Max. Load for Installation:	300 lbs.
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**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	OFCP
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CEC/C(UL) Specification:	OFC
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IEEE Specification:	802.3ae
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Telecommunications Standards:	TIA/EIA-568B
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**Flame Test**

C(UL) Flame Test:	FT6
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**Suitability**

Suitability - Indoor:	Yes
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Suitability - Outdoor:	No
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**Plenum/Non-Plenum**

Plenum (Y/N):	Yes
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**Optical Characteristics (Overall)**

Maximum Attenuation @ 850nm:	3.50 dB/km
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Maximum Attenuation @ 1300nm:	1.25 dB/km
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Minimum Bandwidth @ 850nm:	1500 MHz*km
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Minimum Bandwidth @ 1300nm:	500 MHz*km
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Maximum Gigabit Ethernet Length @ 850nm:	300
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**Notes (Overall)**

## M97664 Fiber - Tight Buffer Steel Interlock Armor Cabels - Plenum (OFCP)

**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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