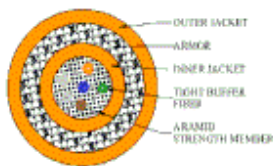


## M97594 Fiber - Tight Buffer Steel Interlocked Armor Cables - Plenum (OFCP)



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)**

Fiber Type:	50/125/900 Micron
Number of Fibers:	6
Core Diameter:	50
Clad Diameter:	125
Primary Coating Material:	Acrylate
Primary Coating Diameter:	245
Secondary Coating Material:	Plenum Grade PVC - Polyvinyl Chloride
Secondary Coating Diameter:	900

**Fiber Color Code Chart:**

Color
Blue
Orange
Green
Brown
Slate
White

**Inner Jacket**

Inner Jacket Nominal Wall Thickness:	0.025
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**Inner Jacket Color Code Chart:**

Number	Color
1	Orange

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

Outer Jacket Material
Plenum Grade PVC - Polyvinyl Chloride

Outer Jacket Nominal Wall Thickness:	0.028
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**Outer Jacket Diameter:**

Nom. Dia. (in.)
0.531

Outer Jacket Color:	Orange
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**Outer Jacket over Armor**

Outer Jacket Wall Thickness Over Armor:	.028
Diameter over Jacket and Armor:	.531

**Strength Member**

Strength Member Material:	Aramid Yarn
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**Armor**

Armor Type:	Interlocking Steel
Armor Material:	Steel

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Armor Thickness:	.1425
Diameter over Armor:	.475

**Overall Cabling**

Overall Nominal Diameter:	0.531 in.
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**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:	10.620 in.
Min. Bend Radius for Long Term Application:	7.965 in.
Crush Resistance:	2000 N/cm
Impact Resistance:	2000 Impacts w/1.6 N•m
Cyclic Flexing:	2000 cycles / min
Max. Load for Installation:	270 lbs.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC/(UL) Specification:	OFCP
CEC/C(UL) Specification:	OFC
IEEE Specification:	802.3z
Telecommunications Standards:	568B

**Flame Test**

C(UL) Flame Test:	FT6
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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
Maximum Attenuation @ 1300nm:	1.25 dB/km
Minimum Bandwidth @ 850nm:	500 MHz*km
Minimum Bandwidth @ 1300nm:	500 MHz*km
Maximum Gigabit Ethernet Length @ 850nm:	600
Maximum Gigabit Ethernet Length @ 1300nm:	600

**Notes (Overall)**

**Notes:** This cable can 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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