Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

BELDEN
SENDING ALL THE RIGHT SIGNALS

M9B240 Fiber - Tight Buffer Aluminum 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)

Fiber Type:	62.5/125/900 Micron
Number of Fibers:	6
Core Diameter:	62.5
Clad Diameter:	125
Primary Coating Material:	Acrylate
Primary Coating Diameter:	245
Secondary Coating Material:	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

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

Outer Jacket Diameter:

Nom. Dia. (in.)
0.471

Outer Jacket Color: Orange

Strength Member

Strength Member Material: Aramid Yarn

Armor

Armor Type:	Interlocking Aluminum
Armor Material:	Aluminum
Diameter over Armor:	0.415

Overall Cabling

Overall Nominal Diameter: 0.471 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:	9.420 in.
Min. Bend Radius for Long Term Application:	7.065 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

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
Maximum Gigabit Ethernet Length @ 1300nm:	550

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc

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