

## M9W231 Fiber - Tight Buffer Aluminum Interlock Armor Cables - Riser (OFCR)



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>	Single Mode/125/900 Micron
<b>Number of Fibers:</b>	12
<b>Core Diameter:</b>	8.3
<b>Clad Diameter:</b>	125
<b>Primary Coating Material:</b>	245
<b>Secondary Coating Material:</b>	Engineering Thermoplastic
<b>Secondary Coating Diameter:</b>	900

**Fiber Color Code Chart:**

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

<b>Core-clad Offset:</b>	Acrylate
--------------------------	----------

**Inner Jacket**

<b>Inner Jacket Nominal Wall Thickness:</b>	0.045
---	-------

**Inner Jacket Color Code Chart:**

Number	Color
1	Yellow

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

Outer Jacket Material
PVC - Polyvinyl Chloride

<b>Outer Jacket Nominal Wall Thickness:</b>	0.060
---	-------

**Outer Jacket Diameter:**

Nom. Dia. (in.)
0.645

<b>Outer Jacket Color:</b>	Yellow
----------------------------	--------

**Strength Member**

<b>Strength Member Material:</b>	Aramid Yarn, Fiberglass Epoxy Rod
----------------------------------	-----------------------------------

**Armor**

**M9W231 Fiber - Tight Buffer Aluminum Interlock Armor Cables - Riser (OFCR)**

<b>Armor Type:</b>	Interlocking
--------------------	--------------

<b>Armor Material:</b>	Aluminum
------------------------	----------

**Overall Cabling**

<b>Overall Nominal Diameter:</b>	0.645 in.
----------------------------------	-----------

**Mechanical Characteristics (Overall)**

<b>Storage Temperature Range:</b>	-40°C To +80°C
-----------------------------------	----------------

<b>Operating Temperature Range:</b>	-20°C To +70°C
-------------------------------------	----------------

<b>Min. Bend Radius (Install)/Minor Axis:</b>	12.900 in.
---	------------

<b>Min. Bend Radius for Long Term Application:</b>	9.675 in.
--	-----------

<b>Crush Resistance:</b>	2000 N/cm
--------------------------	-----------

<b>Impact Resistance:</b>	2000 Impacts w/ 1.6 N-m
---------------------------	-------------------------

<b>Cyclic Flexing:</b>	2000 Cycles min.
------------------------	------------------

<b>Max. Load for Installation:</b>	300 lbs.
------------------------------------	----------

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

<b>NEC/(UL) Specification:</b>	OFCR
--------------------------------	------

<b>CEC/C(UL) Specification:</b>	OFC
---------------------------------	-----

<b>Telecommunications Standards:</b>	568B
--------------------------------------	------

<b>Other Specification:</b>	ITU G.652.d
-----------------------------	-------------

**Flame Test**

<b>C(UL) Flame Test:</b>	FT6
--------------------------	-----

**Plenum/Non-Plenum**

<b>Plenum (Y/N):</b>	No
----------------------	----

**Optical Characteristics (Overall)**

<b>Maximum Attenuation @ 1310nm:</b>	0.80 dB/km
--------------------------------------	------------

<b>Maximum Attenuation @ 1550nm:</b>	0.50 dB/km
--------------------------------------	------------

**Notes (Overall)**

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

**Put Ups and Colors:**

Item #	Putup	Ship Weight	Color	Notes	Item Desc
--------	-------	-------------	-------	-------	-----------

Revision Number: 0    Revision Date: 05-14-2007

© 2010 Belden, Inc  
All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described herein are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "AS IS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.