

## Industrial Armored Cable

### Tight Buffer — Riser & Plenum Rated

#### Applications

- Industrial environments
- Rugged installations
- Manufacturing plants
- Mining operations
- Telecommunications and data trunk
- Inter- and intra-building installations

#### Product Description

Heavy duty construction with interlocking aluminum armor (steel available on request) provides excellent mechanical protection from cutting or crushing and eliminates need for innerduct. Rodent resistant. Also available for outside plant. Loose tube design available on request.

<b>Jacket Material</b>	Riser & Plenum	PVC
<b>Buffer Tube</b>		PVC
<b>Strength Member</b>		Aramid Yarn
<b>Central Strength Member</b>		E-Glass
<b>Armor</b>		Aluminum
<b>Color Code (Buffer)</b>		Per EIA/TIA 598-A, see page 10.2
<b>Jacket Color</b>	Single-mode 62.5/125 μm 50/125 μm / 1 Gbe 50/125 μm / 10 Gbe	Yellow Orange Orange Aqua

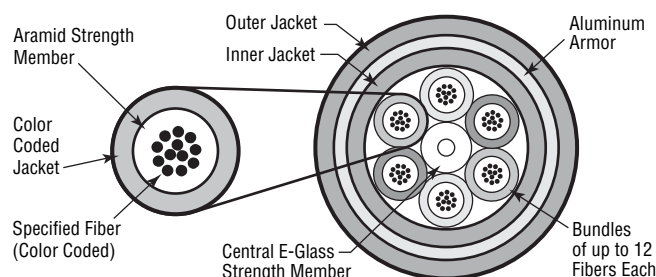
#### Ratings

<b>Riser</b>	UL Type	OFRC
	cUL Type	OFC FT4
	Flame Resistance	UL 1666
<b>Plenum</b>	UL Type	OFCP
	cUL Type	OFC FT6
	Flame Resistance	NFPA 262

#### Specifications

<b>Temperature Range</b>	Storage	-40 to +70°C
	Operating	-20 to +70°C
<b>Crush Resistance (EIA-455-41)</b>		2000 N/cm
<b>Impact Resistance (EIA-455-25)</b>		2000 Impacts @ 3.0 N-m
<b>Min. Bend Radius</b>	Installation	20 x OD
	Long Term	15 x OD
<b>Optical Specifications</b>		See page 10.2

#### Fiber Bundle Detail



No. of Fibers	Belden Part Number				Outside Diameter		Weight		Max. Install Load	
	62.5 / 125μm Std. / 1 Gbe	50 / 125μm Std. / 1 Gbe	50 / 125μm 10 Gbe – 300M	Single-mode Enhanced	Inch	mm	Lbs./1000'	kg/km	Lbs.	N

#### Industrial Armored Series

Riser (NEC/CEC OFCR/OFC FT4)										
6	M9B230	M9A230	M9C230	M9W230	0.570	14.50	126	188	270	1201
12	M9B231	M9A231	M9C231	M9W231	0.620	15.70	149	222	300	1334
24	M9B232*	M9A232*	M9C232*	M9W232*	0.670	17.00	179	266	390	1735
24	M9B233	M9A233	M9C233	M9W233	0.845	21.46	263	391	600	2700
36	M9B234	M9A234	M9C234	M9W234	0.970	24.64	368	548	600	2700
48	M9B235	M9A235	M9C235	M9W235	0.970	24.64	368	548	600	2700
72	M9B236	M9A236	M9C236	M9W236	1.095	27.82	481	716	600	2700
96	M9B237	M9A237	M9C237	M9W237	1.245	31.62	625	930	600	2700
144	M9B238	M9A238	M9C238	M9W238	1.320	33.55	675	1005	600	2700
Plenum (NEC/CEC OFCP/OFC FT6)										
6	M9B240	M9A240	M9C240	M9W240	0.471	12.00	87	129	270	1201
12	M9B241	M9A241	M9C241	M9W241	0.506	12.90	103	153	300	1334
24	M9B242*	M9A242*	M9C242*	M9W242*	0.631	16.00	151	225	390	1735
24	M9B243	M9A243	M9C243	M9W243	0.781	19.84	289	430	600	2700
36	M9B244	M9A244	M9C244	M9W244	0.881	22.38	309	460	600	2700
48	M9B245	M9A245	M9C245	M9W245	0.906	23.01	320	476	600	2700
72	M9B246	M9A246	M9C246	M9W246	1.056	26.82	451	671	600	2700
96	M9B247	M9A247	M9C247	M9W247	1.256	31.90	608	905	600	2700
144	M9B248	M9A248	M9C248	M9W248	1.331	33.81	687	1022	600	2700

Additional optical fiber cable constructions are available upon request. All optical fiber products can be supplied in compliance with RoHS regulations. Please contact Customer Service for more details.

\*Single jacket design.



For more information, contact Belden Technical Support: 1-800-BELDEN-1 • www.belden.com

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