

## Single Jacket, All Dielectric Cable

### Loose Tube — Indoor/Outdoor Plenum Rated

#### Applications

- Medium to high fiber count requirements
- Inter-building duct installations
- Lashed aerial
- Indoor/outdoor
- Campus backbones
- Data Centers
- High Density Cable Trays

#### Product Description

Dry waterblocking technology used within tubes and under jacket. Available as Plenum rated cable, thereby eliminating the need for service entrance splicing to in-building cable. Small diameter and bend radius facilitate installation in tight spaces. Full dielectric construction, no grounding required. Available with up to 144 fibers. Fibers grouped into sets of 12 for maximum density. Length markings in meters for easy determination of cable length.

<b>Jacket Material</b>	PVC Non-unitized Unitized	PVDF
<b>Buffer Tube</b>	PVC	
<b>Strength Member</b>	E-Glass and Aramid Yarn	
<b>Central Strength Member</b>	Upjacketed	
<b>Color Code (Buffer)</b>	Per EIA/TIA 598-A, see page 10.2	
<b>Jacket Color</b>	Black	

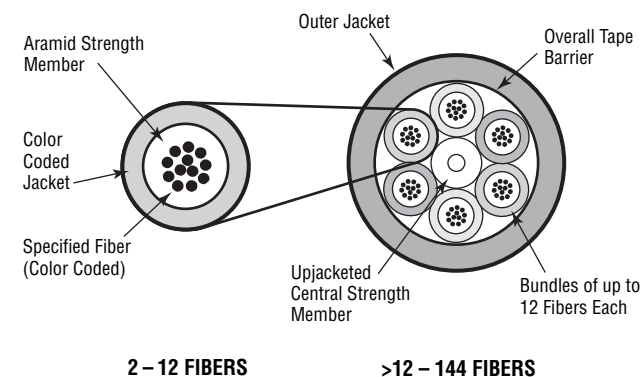
#### Ratings

<b>Plenum</b>	OFNP
UL Type	OFNP
cUL Type	OFN FT6
Flame Resistance	NFPA 262

#### Specifications

<b>Temperature Range</b>	
Storage	-40 to +80°C
Operating	-40 to +70°C
Installation	0 to +60°C
<b>Crush Resistance (EIA-455-41)</b>	2000 N/cm
<b>Impact Resistance (EIA-455-25)</b>	2000 Impacts @ 1.6 N-m
<b>Cyclic Flexing (EIA-455-104)</b>	2000 cycles, min.
<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



2 – 12 FIBERS

&gt;12 – 144 FIBERS

No. of Fibers	Fibers Per Tube	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

#### Loose Tube Series

Plenum (NEC/CEC OFNP/OFN FT6)											
6	6	M9B202	M9A202	M9C202	M9W202	0.265	6.70	33	49	320	1423
12	12	M9B204	M9A204	M9C204	M9W204	0.265	6.70	33	49	320	1423
24	12	M9B205	M9A205	M9C205	M9W205	0.359	9.12	47	70	405	1801
36	12	M9B206	M9A206	M9C206	M9W206	0.359	9.12	47	70	405	1801
48	12	M9B207	M9A207	M9C207	M9W207	0.359	9.12	48	71	405	1801
72	12	M9B209	M9A209	M9C209	M9W209	0.429	10.90	71	106	585	2602
96	12	M9B211	M9A211	M9C211	M9W211	0.501	12.73	105	156	903	4017
144	12	M9B215	M9A215	M9C215	M9W215	0.665	16.89	189	281	1263	5618

Alternative fiber counts and hybrid constructions are available.

All optical fiber products can be supplied in compliance with RoHS regulations. Please contact Customer Service for more details.