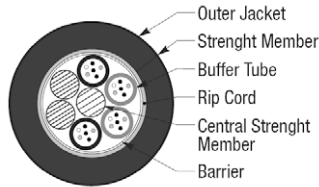


**RiserLite® Loose Tube Indoor/Outdoor, Fiber Optic Cables#**  
Single-Mode and Multimode-Riser-Rated, Low-Smoke Zero-Halogen

De- scription	Part No.	No. of Fibers	Standard Lengths		Standard Unit Weight		Fiber Size µm	Nom. Buffer/ Tube OD		Strength Members	Nominal OD		Central Element mm	Pulling Tension N	Crush Re- sistance kN/m	Energy kJ/m	Bending Radii Cable (mm)	
			ft.	m	lbs.	kg		inch	mm		inch	mm					static	dyna- mic

**M9W • Loose Tube • Single-Mode**

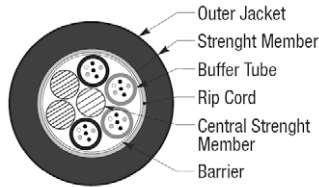
Synthetic Thixotropic Gel Construction • Overall Water-Blocking Tape • Black FRNC/LSNH Jacket																		
70°C	M9W830	6 (1x6)	Manufactured	233.5	105.9	∅ 250 ± 15	0.07	1.90	Aramid Yarn	0.38	9.65	no	2700	20	-	145	193	
	M9W831	12 (2x6)	per Order	233.5	105.9					0.38	9.65							
	M9W832	24 (4x6)		233.5	105.9					0.38	9.65							
	M9W834	48 (4x12)*		332.0	150.6					0.48	12.18							



Construction: 6 fibers per tube, cabled with fillers. \*12 fibers per tube

**M9 • Loose Tube • Multimode 50/125 Grade 4**

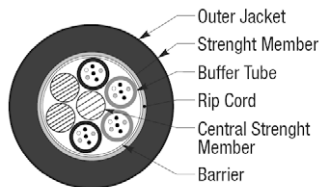
Synthetic Thixotropic Gel Construction • Overall Water-Blocking Tape • Black FRNC/LSNH Jacket																		
70°C	M97537	2 (2x1)**	Manufactured	233.5	105.9	∅ 250 ± 15	0.07	1.90	Aramid Yarn	0.38	9.65	no	2700	20	-	145	193	
	M9A830	6 (1x6)	per Order	233.5	105.9					0.38	9.65							
	M9A831	12 (2x6)		233.5	105.9					0.38	9.65							
	M9A832	24 (4x6)		233.5	105.9					0.48	12.18							
	M9A834	48 (4x12)*		332.0	150.6													



Construction: 6 fibers per tube, cabled with fillers. \*12 fibers per tube, \*\*1 fiber per tube

**M9C • Loose Tube • Multimode 50/125 Grade 4**

Synthetic Thixotropic Gel Construction • Overall Water-Blocking Tape • Black FRNC/LSNH Jacket																		
70°C	M9C830	6 (1x6)	Manufactured	233.5	105.9	∅ 250 ± 15	0.07	1.90	Aramid Yarn	0.38	9.65	no	2700	20	-	145	193	
	M9C831	12 (2x6)	per Order	233.5	105.9					0.38	9.65							
	M9C832	24 (4x6)		233.5	105.9					0.38	9.65							
	M9C834	48 (4x12)*		332.0	150.6					0.48	12.18							



Construction: 6 fibers per tube, cabled with fillers. \*12 fibers per tube

# Available in fiber counts 1 through 144, and in all glass types.

**RiserLite® Loose Tube Indoor/Outdoor, Fiber Optic Cables<sup>#</sup>**Single-Mode and Multimode-Riser-Rated, Low-Smoke Zero-Halogen (*continued*)

Glass Types and Specifications	UOM	Single-Mode Fiber *	Multimode Grade 4	Multimode Grade 5
Operating Wavelength (Short) – nm	nm	1310	850	850
Operating Wavelength (Long) – nm	nm	1550	1300	1300
Min. OFL Bandwidth (@ Short Wavelength)	MHz-km	–	500	1500
Min. OFL Bandwidth (@ Long Wavelength)	MHz-km	–	500	500
Min. Laser Bandwidth (@ Short Wavelength)	MHz-km	–	510	2000
Min. Laser Bandwidth (@ Long Wavelength)	MHz-km	–	500	500
Max. Attenuation (@ Short Wavelength)	db/km	0.4	3.0	3.0
Max. Attenuation (@ Long Wavelength)	db/km	0.3	1.0	1.0
100 Mb/s Fast Ethernet Link Length @ WL = 850 nm	m	–	300	300
100 Mb/s Fast Ethernet Link Length @ WL = 1310 nm	m	5000	2000	2000
1 Gb/s Ethernet Link Length @ WL = 850 nm	m	–	600	1000**
1 Gb/s Ethernet Link Length @ WL = 1310 nm	m	5000	600	600
10 Gb/s Ethernet Link Length @ WL = 850 nm	m	–	82	300
10 Gb/s Ethernet Link Length @ WL = 1310 nm	m	10000	300	300

# Available in fiber counts 1 through 144, and in all glass types.

\* Low water peak single-mode suitable for CWDM use complies with ITU G.652.c/d.

\*\* &gt; 200 m for engineered links

OFL: Overfilled Launch

Laser bandwidth: effective modal bandwidth, determined by RML or DMD performance specifications

Other constructions and fiber-types available, up to 144 fibers.

Minimum order for each construction is 1000 meters. Bulk long reels, manufactured per order.

Operating temperature: -40°C to +70°C