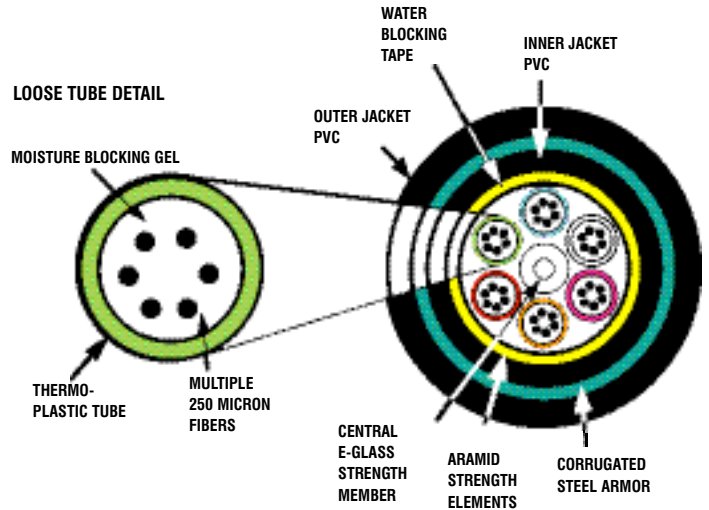


# RiserLite<sup>®</sup> Loose Tube

Indoor/Outdoor Direct Burial/Armored  
UL/c(UL) Type OFCR/OFC FT4

## DESCRIPTION

RISERLITE INDOOR/OUTDOOR ARMORED LOOSE TUBE FIBER OPTIC CABLE IS A DRY CORE CABLE WITH MOISTURE BLOCKING GEL INSIDE THE THERMOPLASTIC BUFFER TUBE. THE INDIVIDUALLY COLORED 250 μm FIBERS ARE SURROUNDED BY GEL FOR MOISTURE RESISTANCE. EACH INDIVIDUAL 6 OR 12 FIBER GROUP IS PROTECTED WITH A COLORED PBT TUBE AND CABLED AROUND A RIGID EPOXY FIBERGLASS STRENGTH MEMBER WHICH PROVIDES SUPERIOR PROTECTION AGAINST THERMAL EXPANSION AND CONTRACTION OVER THE OPERATING TEMPERATURE RANGE. AN OVERALL WATER-SWELLABLE TAPE PROVIDES AXIAL WATER PENETRATION PROTECTION. THE CORE IS HELICALLY WRAPPED WITH ARAMID YARN FOR TENSILE STRENGTH, PROTECTED WITH AN INNER JACKET. A TWO-SIDE PLASTIC CLAD CORRUGATED STEEL TAPE IS APPLIED LONGITUDINALLY WITH AN OVERALL BLACK FLAME AND UV RESISTANT THERMOPLASTIC JACKET WHICH MEETS ALL THE REQUIREMENTS OF UL/cUL TYPE OFCR, OFC FT4 FLAME RATINGS. MOHAWK'S RISERLITE ARMORED FIBER CABLES ARE OFFERED IN ALL GRADES OF MULTIMODE AND SINGLE-MODE UP TO 144 FIBERS.



## PRODUCT FEATURES/BENEFITS

- NO SPLICING REQUIRED AT BUILDING ENTRANCE
- AVAILABLE WITH ZERO-HALOGEN JACKET
- BREAKOUT KITS AVAILABLE
- FULLY WATERBLOCKED

## APPLICATIONS

- INDOOR/OUTDOOR BUILDING INTERCONNECTIONS
- TELECOMMUNICATIONS AND DATA TRUNK
- LONG HAUL NETWORKING
- DIRECT BURIAL AND AERIAL LASHING

## MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

• CRUSH RESISTANCE	(EIA-455-41)	2000 N/cm
• IMPACT RESISTANCE	(EIA-455-25)	2000 IMPACTS W/1.6 N-m
• MIN. BEND RADIUS	LONG TERM-NO LOAD	15X CABLE DIAMETER
• MIN. BEND RADIUS	SHORT TERM-LOAD	20X CABLE DIAMETER
• OPERATING TEMP.	--	-40°C TO +70°C
• INSTALLATION TEMP.	--	20°C TO +60°C
• STORAGE TEMP.	--	-40°C TO +80°C
• UL/C(UL) RATED	TYPE OFCR/OFC FT4	
• FLAME RESISTANCE	1666	PASSED

# RiserLite® Loose Tube

## Indoor/Outdoor Direct Burial/Armored UL/c(UL) Type OFCR/OFC FT4

Part Number	Fiber Count	Fibers Per Tube	Outside Diameter		Weight		Min. Bend Radius				Max. Load (Installation)	
			mm	in.	kg/km	lbs/M'	Short Term		Long Term		Newtons	lbs.
M9X890	6	6	13.72	.540	205	138	27.4	10.8	20.6	8.1	2700	600
M9X891	12	6	13.72	.540	20	137	27.4	10.8	20.6	8.1	2700	600
M9X892	24	6	13.72	.540	202	136	27.4	10.8	20.6	8.1	2700	600
M9X893	36	6	13.72	.540	201	135	27.4	10.8	20.6	8.1	2700	600
M9X894	48	12	16.76	.660	262	176	33.5	13.2	25.1	9.9	2700	600
M9X895	72	12	16.76	.660	256	172	33.5	13.2	25.1	9.9	2700	600
M9X896	96	12	17.78	.700	307	206	35.6	14.0	26.7	10.5	2700	600
M9X897	144	12	22.35	.880	449	302	44.7	17.6	33.5	13.2	2700	600

For "X" in part number see optical characteristics below.

### Optical Characteristics

Meets or exceeds ISO/IEC 11801

Grade	OM1	OM1	OM2	OM3	OM3	SM2
	2	3	4	5	6	
<b>Glass Type</b>	62.5/125 MM AdvanceLite	62.5/125 MM AdvanceLite	50/125 MM AdvanceLite	50/125 MM AdvanceLite	50/125 MM AdvanceLite	Single-Mode Enhanced <sup>5</sup>
<b>Part Number Code (X)</b>	B	D	A	C	E	W
<b>Operating Wavelength (nm)</b>	850/1300	850/1300	850/1300	850/1300	850/1300	1310/1550
<b>Min. OFL<sup>1</sup> Bandwidth (MHz-km)</b>	200/500	200/500	500/500	1500/500	3000/500	—
<b>Min. Laser<sup>2</sup> Bandwidth (MHz-km)</b>	220/500	385/500	510/500	2000/500	4700/500	—
<b>Max. Attenuation RiserLite (dB/km)</b>	3.50/1.25	3.50/1.25	3.50/1.25	3.50/1.25	3.50/1.25	0.80/0.50
<b>100 Mbit Fast Ethernet Min. Link Length (meters S/L/E<sup>3</sup>)</b>	300/2000	300/2000	300/2000	300/2000	300/2000	5000/—
<b>1 Gigabit Ethernet Min. Link Length (meters S/L/E<sup>3</sup>)</b>	300/550	500/1000	600/600	1000 <sup>4</sup> /600	1000 <sup>4</sup> /600	5000/—
<b>10 Gigabit Ethernet Min. Link Length (meters S/L/E<sup>3</sup>)</b>	33/300	33/300	82/300	300/300	550/300	10,000/40,000

<sup>1</sup> OFL – Overfilled Launch

<sup>2</sup> Effective Modal Bandwidth, determined by RML or DMD performance specifications

<sup>3</sup> S/L/E – Short wavelength (850 nm) / Long wavelength (1310 nm) / Extra long wavelength (1550 nm)

<sup>4</sup> >2000 meters for engineered links

<sup>5</sup> Low water peak Single-Mode suitable for CWDM use complies with ITU G.652.c/d

Mohawk reserves the right to change specification in the interest of product enhancement.

# MOHAWK

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