

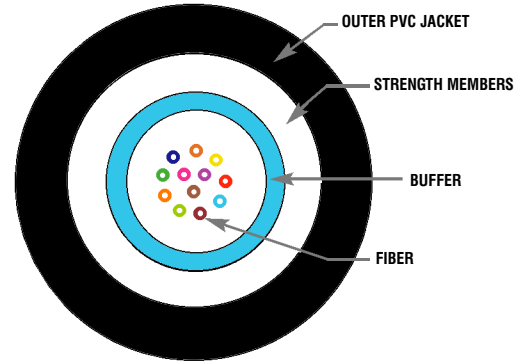


RiserLite® Central Loose Tube

Indoor/Outdoor Riser UL/cUL Type OFNR/OFN FT4

DESCRIPTION

INDOOR/OUTDOOR FIBER OPTIC CABLE CONSISTS OF ONE LARGE CENTRAL FLAME RETARDANT PBT BUFFER TUBE. THE BUFFER TUBE ENCASES INDIVIDUALLY COLORED 250 μm FIBERS SURROUNDED BY GEL FOR MOISTURE RESISTANCE AND ENSURES THE FIBERS ARE IN A STRESS/STRAIN-FREE ENVIRONMENT. THE CENTRAL BUFFER TUBE IS HELICALLY SURROUNDED BY WATER-SWELLABLE FIBERGLASS YARN FOR TENSILE STRENGTH AND PROTECTION AGAINST THERMAL EXPANSION AND CONTRACTION OVER THE OPERATING TEMPERATURE RANGE. THIS CABLE HAS AN OVERALL BLACK FLAME AND UV-RESISTANT THERMOPLASTIC JACKET WHICH MEETS ALL THE REQUIREMENTS OF UL/cUL TYPE OFNR, OFN FT4 FLAME RATINGS. THIS CABLE IS OFFERED IN ALL GRADES OF MULTIMODE AND SINGLE-MODE UP TO 12 FIBERS.



PRODUCT FEATURES/BENEFITS

- NO SPLICING REQUIRED AT BUILDING ENTRANCE
- AVAILABLE WITH ZERO-HALOGEN JACKET
- BREAKOUT KITS AVAILABLE
- FULLY WATERBLOCKED
- ECONOMICAL OPTION FOR LOW FIBER COUNTS

APPLICATIONS

- INDOOR/OUTDOOR INSTALLATIONS
- TELECOMMUNICATIONS AND DATA TRUNK
- BUILDING INTERCONNECTIONS
- DUCTS BETWEEN BUILDINGS
- DROP CABLE

MECHANICAL, ENVIRONMENTAL & FLAME CHARACTERISTICS

• CRUSH RESISTANCE	(EIA-455-41)	250 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/cUL RATED	TYPE OFNR/OFN FT4	
• FLAME RESISTANCE	UL 1666	PASSED

RiserLite[®] Central Loose Tube

Indoor/Outdoor
Riser UL/cUL Type OFNR/OFN FT 4

Part Number	Fiber Count	Outside Diameter		Weight		Min. Bend Radius				Max. Load (Installation)	
		mm	in.	kg/km	lbs/M'	Short Term		Long Term		Newtons	lbs.
						cm	in.	cm	in.		
M9X802	2	7.36	.290	57	38	14.7	5.8	11.2	4.4	2700	600
M9X803	4	7.36	.290	57	38	14.7	5.8	11.2	4.4	2700	600
M9X804	6	7.36	.290	57	38	14.7	5.8	11.2	4.4	2700	600
M9X805	8	7.36	.290	57	38	14.7	5.8	11.2	4.4	2700	600
M9X806	12	7.36	.290	57	38	14.7	5.8	11.2	4.4	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	
Glass Type	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 ⁵
Part Number Code (X)	B	D	A	C	E	W
Operating Wavelength (nm)	850/1300	850/1300	850/1300	850/1300	850/1300	1310/1550
Min. OFL¹ Bandwidth (MHz-km)	200/500	200/500	500/500	1500/500	3000/500	—
Min. Laser² Bandwidth (MHz-km)	220/500	385/500	510/500	2000/500	4700/500	—
Max. Attenuation Loose Tube (dB/km)	3.25/1.0	3.25/1.0	3.0/1.0	3.0/1.0	3.0/1.0	0.40/0.30
100 Mbit Fast Ethernet Min. Link Length (meters S/L/E³)	300/2000	300/2000	300/2000	300/2000	300/2000	5000/—
1 Gigabit Ethernet Min. Link Length (meters S/L/E³)	300/550	500/1000	600/600	1000 ⁴ /600	1000 ⁴ /600	5000/—
10 Gigabit Ethernet Min. Link Length (meters S/L/E³)	33/300	33/300	82/300	300/300	550/300	10,000/40,000

¹ OFL – Overfilled Launch

² Effective Modal Bandwidth, determined by RML or DMD performance specifications

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

⁴ >2000 meters for engineered links

⁵ 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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