

VersaLite™

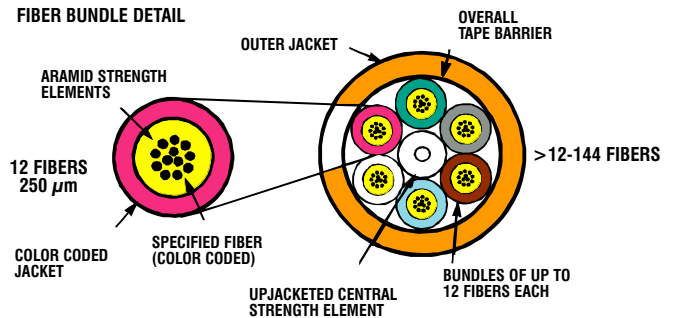
Indoor/Outdoor UL/c(UL) Type OFNP/OFN FT6

DESCRIPTION

VERSALITE INDOOR/OUTDOOR LOOSE TUBE FIBER OPTIC CABLE IS A COMPLETELY DRY (GEL FREE) CABLE. THE INDIVIDUALLY COLORED 250 μm FIBERS ARE SURROUNDED BY WATER SWELLABLE ARAMID YARN FOR STRENGTH AND WATER PENETRATION RESISTANCE. EACH INDIVIDUAL 12 FIBER GROUP IS PROTECTED WITH A COLOR CODED SUBUNIT THERMOPLASTIC JACKET AND CABLED AROUND A RIGID EPOXY FIBERGLASS CENTRAL 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 PROTECTED WITH AN OVERALL BLACK FLAME AND UV RESISTANT THERMOPLASTIC JACKET WHICH MEETS ALL THE REQUIREMENTS OF UL/C(UL) TYPE OFNP, OFN FT6 FLAME RATINGS. MOHAWK'S VERSALITE FIBER CABLES ARE OFFERED IN ALL GRADES OF MULTIMODE AND SINGLE-MODE UP TO 144 FIBERS.

PRODUCT FEATURES/BENEFITS

- 2 TO 144 FIBER
- SMALL DIAMETER AND BEND RADIUS FACILITATE INSTALLATION IN TIGHT SPACES
- FIBERS AND SUBUNITS ARE COLOR-CODED FOR EASE OF IDENTIFICATION
- ALL-DIELECTRIC CONSTRUCTION ELIMINATES THE NEED FOR GROUNDING
- FIBERS GROUPED INTO SETS OF 12 FOR MAXIMUM DENSITY
- AVAILABLE IN 50 μm , 62.5 μm , SINGLE-MODE, AND HYBRID CONSTRUCTION
- AVAILABLE IN COLORED JACKETS FOR INDOOR ONLY INSTALLATIONS
- AVAILABLE WITH INTERLOCK ARMOR



APPLICATIONS

- CAMPUS BACKBONES
- INTERBUILDING INSTALLATIONS
- DATA CENTERS
- HIGH DENSITY CABLE TRAYS

MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

• CRUSH RESISTANCE	(EIA-455-41)	250 N/cm
• IMPACT RESISTANCE	(EIA-455-25)	2000 IMPACTS W1.6 N-m
• FLEXURE	(EIA-455-104)	2000 CYCLES MIN.
• 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.	--	0°C TO +60°C
• STORAGE TEMP.	--	-40°C TO +80°C

Indoor/Outdoor UL/c(UL) Type OFNP/OFN FT 6

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		Newton's	lbs.
M9X202	6	6	6.7	.265	49	33	13.5	5.3	10.2	4.0	1423	320
M9X204	12	12	6.7	.265	49	33	13.5	5.3	10.2	4.0	1423	320
M9X205	24	12	9.12	.359	70	47	18.3	7.2	13.7	5.4	1801	405
M9X206	36	12	9.12	.359	70	47	18.3	7.2	13.7	5.4	1801	405
M9X207	48	12	9.12	.359	71	48	18.3	7.2	13.7	5.4	1801	405
M9X209	72	12	10.9	.429	106	71	21.8	8.6	16.3	6.4	2602	585
M9X211	96	12	12.73	.501	156	105	25.4	10.0	19.1	7.5	4017	903
M9X215	144	12	16.89	.665	281	189	33.8	13.3	25.4	10.0	5618	1263

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

Optical Characteristics

Meets or exceeds ISO/IEC 11801

	OM1	OM1	OM2	OM3	OM3	
Grade	2	3	4	5	6	SM2
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 Tight Buffered (dB/km)	3.50/1.25	3.50/1.25	3.50/1.25	3.50/1.25	3.50/1.25	0.80/0.50
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.