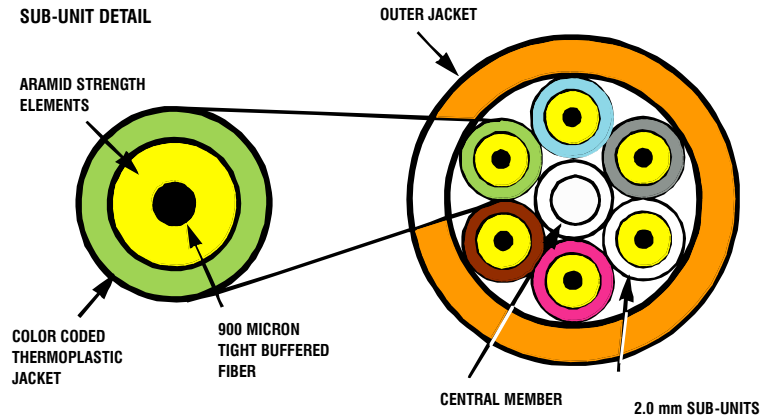


Breakout Riser

2.0 mm sub-units
UL/cUL Type OFNR/OFN FT4

DESCRIPTION

MOHAWK'S RUGGED INDOOR TIGHT BUFFER RISER BREAKOUT CABLE CONSISTS OF INDIVIDUALY COLOR CODED THERMOPLASTIC 900 μ m BUFFERED FIBERS. EACH BUFFERED FIBER IS PROTECTED WITH ARAMID YARN FOR SUPERIOR TENSILE AND CONNECTOR RETENTION PROPERTIES AND AN OVERALL COLOR CODED FLEXIBLE THERMOPLASTIC JACKET. THE 2.0mm OD BREAKOUTS ARE CABLED AROUND A CENTRAL STRENGTH MEMBER WITH AN OVERALL ARAMID OR POLYESTER TAPE BINDER. THE CORE IS PROTECTED BY AN OVERALL COLORED RISER RATED THERMOPLASTIC JACKET WHICH MEETS ALL THE REQUIREMENTS OF UL/cUL TYPE OFNR/OFN FT4. MOHAWK'S TIGHT BUFFER RISER BREAKOUT CABLES ARE OFFERED IN ALL GRADES OF MULTIMODE AND SINGLE-MODE UP TO 48 FIBERS.



PRODUCT FEATURES/BENEFITS

- 900 μ m TIGHT BUFFERED FIBERS
- COLOR CODED FOR EASY TERMINATION
- FLAME RETARDANT
- UL LISTED FOR CODE COMPLIANCE
- DIRECT CONNECTORIZATION
- MSHA APPROVED CABLES ARE AVAILABLE
- ABS LSZH AVAILABLE

APPLICATIONS

- INTRABUILDING BACKBONE CABLING
- WORK AREA CABLING
- COMPUTER ROOM CABLING
- FACTORY FLOOR AUTOMATION

MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

● CRUSH RESISTANCE	(EIA-455-41)	2000 N/cm
● IMPACT RESISTANCE	(EIA-455-25)	2000 IMPACTS W/1.6 N-m
● FLEXURE	(EIA-455-104)	2000 CYCLES MIN.
● MIN. BEND RADIUS	LONG TERM-NO LOAD	10X CABLE DIAMETER
● MIN. BEND RADIUS	SHORT TERM-LOAD	15X CABLE DIAMETER
● OPERATING TEMP.	--	-20°C TO +70°C
● INSTALLATION TEMP.	--	-10°C TO +60°C
● STORAGE TEMP.	--	-40°C TO +80°C
● UL/cUL RATED	TYPE OFNR/OFN FT4	
● FLAME RESISTANCE	UL 1666	PASSED

Breakout Riser

2.0 mm sub-units UL/c(UL) Type OFNR/OFN FT4

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.		
M9X005	2	6.60	.260	36	24	9.9	3.9	6.6	2.6	1068	240
M9X006	4	8.15	.321	52	35	12.2	4.8	8.1	3.2	1535	345
M9X007	6	9.09	.358	80	54	13.6	5.4	9.1	3.6	2415	543
M9X008	8	10.29	.405	103	69	15.4	6.1	10.3	4.1	2700	600
M9X009	10	11.56	.455	128	86	17.3	6.8	11.5	4.5	2700	600
M9X010	12	13.06	.514	164	110	19.6	7.7	13.1	5.1	2700	600
M9X011	18	13.21	.520	155	104	19.8	7.8	13.2	5.2	2700	600
M9X012	24	14.99	.590	201	135	22.6	8.9	15.0	5.9	2700	600
M9X083	36	17.27	.680	250	168	25.9	10.2	17.3	6.8	2700	600

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.

MOHAWK

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