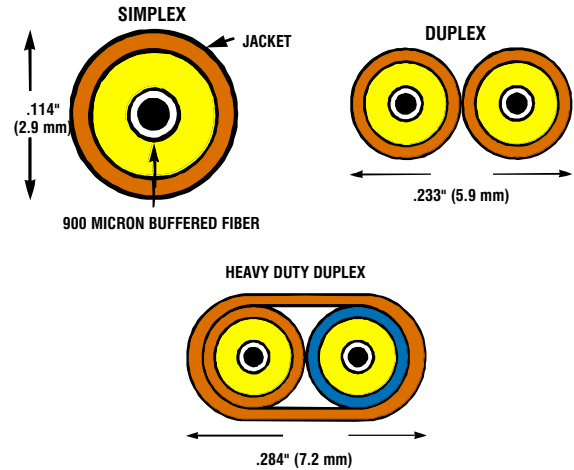


Simplex & Duplex

Riser UL/cUL Type OFNR/OFN FT 4
Plenum UL/cUL Type OFNP/OFN FT 6
LSZH

DESCRIPTION

MOHAWK'S SIMPLEX AND DUPLEX CABLES ARE INDOOR 900 μm TIGHT BUFFERED FIBER OPTIC PATCH CORD CABLES. EACH 250 μm FIBER IS BUFFERED WITH AN EASY TO STRIP PVC COATING AND THEN PROTECTED WITH ARAMID YARN FOR SUPERIOR TENSILE AND CONNECTOR RETENTION PROPERTIES. AN OVERALL FLEXIBLE COLORED PLENUM OR RISER PVC JACKET IS APPLIED. MOHAWK ALSO OFFERS DUPLEX (ZIPCORD), WHICH IS TWO SIMPLEX COMPONENTS CONNECTED WITH A WEB AS WELL AS HEAVY DUTY DUPLEX WHICH IS TWO SIMPLEX CABLES PULLED IN PARALLEL WITH AN OVERALL PVC OUTER JACKET. ALL CABLES ARE AVAILABLE IN EITHER RISER OR PLENUM FLAME RATINGS WHICH COMPLY WITH UL/cUL TYPE OFNR, OFN-FT4 OR OFNP, OFN FT6. THE CABLES ARE ALL AVAILABLE IN LOW SMOKE ZERO HALOGEN (LSZH) MATERIALS WHICH MEET RISER FLAME RATING, AND ARE OFFERED IN ALL GRADES OF MULTIMODE AND SINGLE-MODE UP TO 2 FIBERS.



PRODUCT FEATURES/BENEFITS

- 900 μm TIGHT BUFFERED WITH EASY STRIP COATING
- FLEXIBLE RISER RATED JACKET
- PRIVATE LABEL AND COLORS AVAILABLE
- 2.5MM, 2.0MM AND 1.6MM DIAMETER OPTIONS

APPLICATIONS

- PATCH CABLES
- SHORT RUN OFFICE CABLING
- COMPUTER ROOM CABLING

MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

● CRUSH RESISTANCE	(EIA-455-41)	200 N/cm
● IMPACT RESISTANCE	(EIA-455-25)	20 IMPACTS W/1.0 N-m
● FLEXURE	(EIA-455-104)	100 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.	--	0°C TO +60°C
● STORAGE TEMP.	--	-40°C TO +70°C
● UL/c(UL) RATED	TYPE OFNR/OFN FT4	
● UL/c(UL) RATED	TYPE OFNP/OFN FT6	
● LSZH	TYPE OFNR/OFN FT4	

Simplex & Duplex

Riser UL/cUL Type OFNR/OFN FT 4
Plenum UL/cUL Type OFNP/OFN FT6
LSZH

Part Number	Type	Fiber Count	Weight		Short Term Bend Radius			Max. Load		
			kg/km	lbs/M'	cm	in.	cm long Term.	lbs long Term.	lbs	ft
Plenum										
M9X001	Simplex	1	9	6	4.3	1.7	2.9	1.1	400	90
M9X004	Duplex	2	19	13	4.3	1.7	2.9	1.1	801	180
M9X081	Heavy Duty Duplex	2	28	19	5.6	2.2	3.8	1.5	801	180
Riser										
M9X003	Simplex	1	9	6	4.3	1.7	2.9	1.1	400	90
M9X004	Duplex	2	19	13	4.3	1.7	2.9	1.1	801	180
M9X081	Heavy Duty Duplex	2	28	19	5.6	2.2	3.8	1.5	801	180
LSZH										
M9X003	Simplex	1	9	6	4.3	1.7	2.9	1.1	400	90
M9X004	Duplex	2	19	13	4.3	1.7	2.9	1.1	801	180
M9X081	Heavy Duty Duplex	2	28	19	5.6	2.2	3.8	1.5	801	180

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 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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