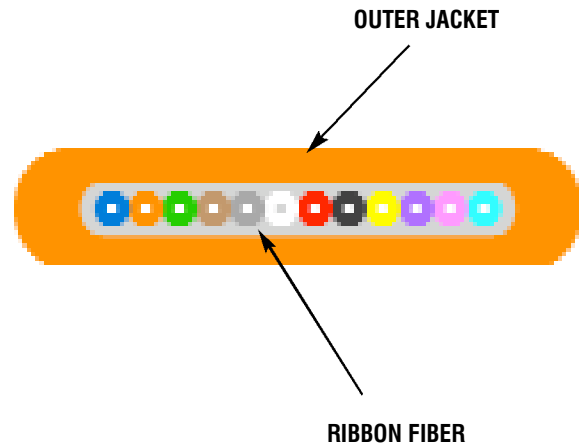


Ribbon Cables

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

DESCRIPTION

MOHAWK'S RIBBON CABLES CONSIST OF 2 TO 12 COLOR CODED OPTICAL FIBERS (250 μ m) CONFIGURED IN A PARALLEL FLAT MATRIX ARRAY. THE MATRIX IS A UV CURABLE MATERIAL WHICH IS EASILY REMOVED TO FACILITATE QUICK AND EASY BREAKOUTS FOR MULTI-FIBER PUSH ON (MPO) ASSEMBLIES. THE RIBBON MATRIX IS THEN PROTECTED WITH ARAMID DIELECTRIC STRENGTH MEMBERS TO CREATE VIRTUALLY ZERO STRESS DURING HANDLING AND INSTALLATION. FINALLY, A FLEXIBLE FLAME AND UV RESISTANT COLORED OUTER JACKET IS APPLIED. MOHAWK'S RIBBON CABLES ARE AVAILABLE IN PLENUM OFNP/FT6 AND RISER OFNR/FT4 CONSTRUCTIONS AS WELL AS ALL GRADES OF MULTIMODE AND SINGLE-MODE.



PRODUCT FEATURES/BENEFITS

- COLOR CODED FIBERS
- SUITABLE FOR USE WITH STANDARD RIBBON CONNECTORS
- HALF-INCH MINIMUM BEND RADIUS
- TIGHT CENTER-TO-CENTER TOLERANCES
- OPTIONAL IDENTIFICATION PRINTING AVAILABLE
- OFNR OR OFNP RATED

APPLICATIONS

- INTER-EQUIPMENT CONNECTIONS
- NEBS APPLICATIONS

MECHANICAL & ENVIRONMENTAL CHARACTERISTICS

• CRUSH RESISTANCE	(EIA-455-41)	200 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
• SHORT TERM LOAD	FOTP-33	100 LBS (444N)
• OPERATING TEMP.	--	-20°C TO +70°C
• INSTALLATION TEMP.	--	0°C TO +60°C
• STORAGE TEMP.	--	-40°C TO +80°C
• UL/c(UL) RATED	TYPE OFNR / OFN FT4	
• FLAME RESISTANCE	UL 1666	PASSED
• UL/c(UL) RATED	TYPE OFNP / OFN FT6	
• FLAME RESISTANCE	UL 910	PASSED

Ribbon Cables

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

Riser Part Number	Plenum Part Number	Fiber Count	Outside Diameter		Weight	
			mm	in.	kg/km	lbs/M'
M9X630	M9X640	2	2.9	.114	7	5
M9X631	M9X641	4	2.0 x 2.9	.078 x .115	6	4
M9X632	M9X642	6	2.0 x 3.5	.078 x .137	9	6
M9X633	M9X643	8	2.0 x 4.0	.078 x .158	9	6
M9X634	M9X644	12	2.0 x 4.6	.078 x .180	10	7

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

9 Mohawk Drive, Leominster, MA 01453
(978) 537-9961 • 1-800-422-9961 • FAX (978) 537-4358
info@mohawk-cable.com www.mohawk-cable.com