

H. Wire Rope

TABLE 4.5 Approximate metallic areas and masses of one-inch rope of various constructions.

Construction	Fiber Core Area, sq. in.	Mass, lb/ft	Mass, kg/m	IWRC Area, sq. in.	Mass, lb/ft	Mass, kg/m
6×6	0.320			0.386		
6×7	0.384	1.50	2.23	0.451	1.65	2.46
6×19 Seale	0.404	1.68	2.50	0.470	1.85	2.75
6×19 Warrington	0.416	1.68	2.50	0.482	1.85	2.75
6×21 Filler Wire	0.412	1.68	2.50	0.478	1.85	2.75
6×21 Seale	0.411	1.68	2.50	0.477	1.85	2.75
6×25 Filler Wire	0.417	1.68	2.50	0.483	1.85	2.75
6×26 Warrington Seale	0.409	1.68	2.50	0.476	1.85	2.75
6×31 Warrington Seale	0.414	1.68	2.50	0.481	1.85	2.75
6×36 Warrington Seale	0.419	1.68	2.50	0.485	1.85	2.75
6×41 Warrington Seale	0.424	1.68	2.50	0.490	1.85	2.75
6×25 Flattened Strand	0.469	1.80	2.68	0.529	1.89	2.83
6×27 Flattened Strand	0.455	1.80	2.68	0.515	1.89	2.83
6×31 Flattened Strand	0.480	1.80	2.68	0.540	1.89	2.83
8×19 Seale	0.359	1.57	2.34	0.472	1.88	2.80
8×25 Filler Wire	0.368	1.57	2.34	0.499	1.88	2.80
18×7 Rot. Resist.	0.422	1.73	2.57			
19×7 Rot. Resist.				0.453	1.82	2.71

Source: reference [5]

Note on Table 4.5: To obtain area and mass for diameters other than 1 in., multiply the area and mass given in this table by the square of the nominal rope diameter in inches.