

Strand Rope

Length : 200 m

SIZE			Polyethylene		Nylon		Polyester (Multi, Type)		Vinylon (Spun Type)		Manila & Sisal	
Dia (mm)	Dia (inch)	Circ. (inch)	Weight (kg)	M.B.L (ton)	Weight (kg)	M.B.L (ton)	Weight (kg)	M.B.L (ton)	Weight (kg)	M.B.L (ton)	Weight (kg)	M.B.L (ton)
3	1/8	3/8	0.90	0.11	1.14	0.21	-	-	1.20	0.90	-	-
4	5/32	1/2	1.60	0.20	1.94	0.33	2.36	0.30	2.00	0.15	2.20	0.12
5	3/16	5/8	2.50	0.30	3.00	0.55	3.86	0.40	3.10	0.23	3.40	0.18
6	1/4	3/4	3.60	0.42	4.43	0.75	5.40	0.56	4.50	0.33	5.00	0.26
7	9/32	7/8	5.00	0.55	6.00	1.02	7.50	0.77	6.10	0.43	7.00	0.36
8	5/16	1	6.40	0.70	7.76	1.35	9.60	1.02	7.90	0.56	9.50	0.48
9	3/8	1-1/8	8.00	0.88	9.80	1.72	12.4	1.27	10.0	0.70	12.0	0.61
10	13/32	1-1/4	10.0	1.10	12.1	2.08	15.2	1.59	12.4	0.95	14.0	0.63
11	7/16	1-3/8	12.4	1.36	14.6	2.54	18.6	1.93	15.1	1.16	17.0	0.77
12	15/32	1-1/2	15.0	1.54	17.6	3.00	22.0	2.27	17.8	1.37	21.0	0.95
13	1/2	1-5/8	17.0	1.74	20.6	3.50	25.8	2.66	21.0	1.62	24.1	1.09
14	9/16	1-3/4	19.0	2.09	23.9	4.10	29.6	3.18	24.2	1.83	28.0	1.28
16	5/8	2	25.0	2.80	31.0	5.30	39.0	4.10	31.5	2.34	38.0	1.80
18	13/32	2-1/4	32.0	3.47	38.9	6.70	49.0	5.10	39.8	2.92	44.0	2.14
19	3/4	2-3/8	36.0	3.90	43.4	7.50	54.8	5.70	44.4	3.26	50.0	2.43
20	13/16	2-1/2	40.0	4.27	48.0	8.30	60.6	6.40	49.0	3.55	55.0	2.85
22	7/8	2-3/4	48.0	5.08	57.9	10.0	73.4	7.77	59.2	4.24	66.0	3.41
24	15/16	3	57.0	6.10	69.5	12.0	87.4	9.20	70.4	4.98	80.0	4.07
25	1	3-1/8	62.0	6.60	75.0	12.9	94.7	10.0	76.4	5.40	87.0	4.43
26	1-1/32	3-1/4	67.0	6.93	81.3	14.0	102.0	10.7	82.5	5.78	94.0	4.73
28	1-1/8	3-1/2	78.0	8.21	94.6	15.8	118.0	12.3	95.6	6.64	106.0	5.32
30	1-3/16	3-3/4	90.0	9.48	108.0	17.8	136.0	13.7	109.0	7.55	125.0	6.10
32	1-1/4	4	102.0	10.7	123.0	20.0	155.0	15.7	124.0	8.51	140.0	6.86
34	1-11/32	4-1/4	115.0	12.0	139.0	22.6	176.0	17.5	140.0	9.53	159.0	7.79
36	1-7/16	4-1/2	129.0	13.4	155.0	24.9	196.0	19.4	157.0	10.6	178.0	8.70
38	1-1/2	4-3/4	144.0	15.0	174.0	27.4	220.0	21.6	175.0	11.7	199.0	9.72
40	1-19/32	5	159.0	16.3	191.0	30.0	243.0	24.0	194.0	12.9	220.0	10.5
42	1-21/32	5-1/4	176.0	18.0	213.0	33.0	268.0	26.1	213.0	14.1	243.0	11.6
45	1-25/32	5-5/8	203.0	20.8	244.0	37.0	308.0	29.8	245.0	16.0	278.0	13.2
48	1-7/8	6	229.0	22.8	277.0	42.0	350.0	33.6	279.0	17.9	317.0	14.8
50	2	6-1/4	249.0	24.7	302.0	45.5	380.0	36.3	302.0	19.5	345.0	16.1
55	2-5/32	6-7/8	300.0	29.6	367.0	54.2	459.0	42.8	355.0	23.3	417.0	19.4
56	2-1/4	7	312.0	30.4	380.0	56.0	476.0	44.8	370.0	24.3	432.0	19.9
60	2-3/8	7-1/2	360.0	34.4	438.0	63.8	546.0	49.9	433.0	27.4	496.0	22.6
64	2-1/2	8	412.0	39.1	496.0	72.0	622.0	58.0	493.0	30.9	564.0	25.7
65	2-9/16	8-1/8	425.0	40.2	513.0	74.2	642.0	59.0	508.0	31.8	581.0	26.4
72	2-7/8	9	521.0	49.1	630.0	90.0	786.0	72.1	623.0	38.6	713.0	32.7
80	3-5/32	10	646.0	60.4	777.0	110.0	970.0	88.5	767.0	46.8	880.0	38.8
85	3-11/32	10-1/2	729.0	68.1	874.0	124.0	1090	98.8	866.0	52.4	993.0	43.8
90	3-9/16	11-1/8	818.0	76.4	980.0	137.0	1220	110.0	973.0	58.2	1113	49.1
96	3-25/32	12	930.0	85.4	1110	154.0	1400	126.0	1100	65.6	1260	53.5
100	3-15/16	12-3/8	1009.0	92.6	1200	166.0	1500	136.0	1200	70.8	1370	58.2

- Nylon ropes possesses much greater dry strength than polyester. However, when wet, all nylon ropes can lose up to 15% of dry strength and there is a tendency to stiffen due to fiber shrinkage. Caution is required.
(Note : Table shows dry strengths only)