



PROPERTIES



Plast rope



Compacted



Lubricated

APPLICATIONS

Very high breaking load and good resistance against drum crushing. Hoisting rope in multiple part reeving for smaller lifting heights as well as for twin hoist systems with left and right hand lay ropes for greater lifting heights.

OVERVIEW

Diameter range [mm]	Number of outer strands	Number of wires	Number of outer load bearing wires	Average fill factor	Average weight factor	Average spin factor *N/mm ²
10–67	10	381	260	0,686	0,86	0,85 (1770, 1960)*
68–76	10	519	310			0,84 (2160)*

- Standard tolerance on diameter +0% to +3,5%
- Temperature range of use: –50°C to +115°C
- Suitable for multi-layer spooling
- Available in ordinary lay and Lang's lay
- Available in right hand and left hand
- Available in galvanized and ungalvanized

nominal diameter		weight	minimum breaking force			
inch	mm		1960 N/mm ²		2160 N/mm ²	
		lb/ft	t [2000lbs]	lbs	t [2000lbs]	lbs
	10	0.32	10.22	20,435	11.20	22,391
7/16	11	0.38	12.24	24,482	13.41	26,820
	12	0.44	14.30	28,596	15.67	31,338
1/2	12.7	0.50	16.21	32,417	17.76	35,520
	13	0.52	17.06	34,126	18.68	37,363
	14	0.60	19.54	39,072	21.40	42,804
	15	0.69	22.46	44,917	24.61	49,211
5/8	16	0.79	25.46	50,919	27.89	55,775
	17	0.91	29.23	58,450	32.01	64,026
	18	1.01	32.91	65,824	36.06	72,119
3/4	19	1.12	36.01	72,029	39.45	78,908
	20	1.24	40.26	80,527	44.38	88,755
	21	1.37	44.42	88,844	48.96	97,927
7/8	22	1.51	48.58	97,162	53.22	106,447
	23	1.65	53.17	106,335	58.25	116,496
	24	1.81	58.16	116,316	63.72	127,444
	25	1.94	62.90	125,803	68.95	137,898
1		2.01	64.95	129,895	71.16	142,327
	26	2.10	67.99	135,987	74.49	148,981
	27	2.26	72.70	145,406	79.65	159,300
	28	2.43	78.56	157,119	85.65	171,304
1 1/8		2.50	80.55	161,098	88.25	176,497
	29	2.57	82.93	165,864	90.86	181,713
	30	2.78	89.56	179,128	98.12	196,236
	31	2.94	95.17	190,346	104.26	208,510
1 1/4	32	3.24	104.08	208,151	114.01	228,024
	33	3.38	108.85	217,705	119.25	238,500
	34	3.64	117.58	235,150	128.80	257,609
	36	4.07	131.79	263,588	144.38	288,767
1 1/2	38	4.48	144.16	288,317	157.93	315,857
	40	4.98	160.66	321,319	176.00	352,006
1 5/8		5.30	171.68	343,351	188.08	376,150
	42	5.49	177.77	355,535	194.75	389,504
	44	6.00	193.99	387,975	212.52	425,046
1 3/4		6.21	199.26	398,519	218.29	436,579
	46	6.65	213.49	426,980	233.88	467,760
1 7/8		7.11	228.88	457,756	250.75	501,504
	48	7.22	232.55	465,107	254.78	509,552
	50	7.76	250.92	501,841	274.89	549,770
2		8.02	259.77	519,533	284.57	569,149
	52	8.41	272.16	544,330	298.16	596,328
	54	9.15	295.23	590,461	323.43	646,865
	56	9.90	320.73	641,470	351.38	702,753
2 1/4		10.17	327.95	655,902	359.28	718,557
	58	10.48	337.70	675,393	369.96	739,914
	60	11.28	364.75	729,505	399.60	799,196
	62	11.97	385.78	771,567	422.63	845,259
2 1/2		12.46	403.60	807,199	442.14	884,286
	64	12.65	409.92	819,833	449.07	898,134
	66	13.56	435.77	871,539	477.39	954,786
	68	14.47	466.17	932,350	517.09	1,034,188
	70	15.47	501.59	1,003,187	552.77	1,105,543
	72	16.34	529.76	1,059,524	583.82	1,167,635
	74	17.26	559.84	1,119,683	616.98	1,233,954
3	76	18.11	587.46	1,174,919	647.40	1,294,809
	78	19.13	620.57	1,241,147	683.90	1,367,805