



PROPERTIES



Plast rope



Compacted



Parallel
Construction



Lubricated

APPLICATIONS

Very fatigue resistant and very high minimum breaking load. Hoist rope for electrical hoists and lifting devices with multiple part reeving, whereas a rotation resistant rope is not needed due to great lifting heights, low number of falls or guided loads.

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
6–8	8	303	200	0,709	0,85	0,88 (1770)* 0,87 (1960)* 0,86 (2160)*
9–12	8	300	208			
19–32	8	322	208			
33–50	8	362	208			

- Standard tolerance on diameter +0% to +4%
- 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
	6	0.11	3.68	7,351	3.96	7,913
1/4		0.12	4.14	8,273	4.45	8,902
	7	0.15	5.10	10,206	5.50	10,993
5/16	8	0.20	6.74	13,489	7.26	14,523
	9	0.25	8.54	17,085	9.19	18,389
3/8		0.28	9.46	18,929	10.18	20,368
	10	0.31	10.51	21,020	11.32	22,638
7/16	11	0.38	12.75	25,493	13.72	27,449
	12	0.46	15.42	30,844	16.61	33,227
1/2	12.7	0.50	17.13	34,261	18.45	36,891
	13	0.53	17.95	35,902	19.33	38,667
	14	0.61	20.77	41,545	22.37	44,737
	15	0.71	23.86	47,727	25.70	51,391
5/8	16	0.80	27.02	54,044	29.10	58,203
	17	0.91	30.72	61,440	33.09	66,184
	18	1.01	34.20	68,409	36.83	73,670
3/4	19	1.14	38.44	76,885	41.41	82,820
	20	1.26	42.68	85,360	45.96	91,924
	21	1.37	46.61	93,228	50.20	100,400
7/8	22	1.51	51.35	102,693	55.29	110,583
	23	1.71	58.12	116,249	62.60	125,196
	24	1.86	63.15	126,298	68.00	136,009
	25	2.02	68.45	136,909	73.73	147,452
1		2.08	70.74	141,472	76.19	152,375
	26	2.19	74.43	148,868	80.16	160,311
	27	2.35	79.92	159,839	86.08	172,159
	28	2.52	85.49	170,990	92.07	184,141
1 1/8		2.63	89.15	178,296	95.99	191,987
	29	2.71	92.21	184,411	99.31	198,619
	30	2.93	99.37	198,731	107.01	214,018
	31	3.12	103.57	207,139	112.81	225,618
1 1/4	32	3.31	109.97	219,931	119.78	239,556
	33	3.53	117.18	234,363	127.65	255,293
	34	3.72	123.31	246,615	134.31	268,624
	35	3.94	130.83	261,655	142.50	284,990
	36	4.18	138.68	277,369	151.06	302,121
	37	4.40	146.04	292,072	159.07	318,150
1 1/2	38	4.67	154.80	309,607	168.62	337,236
	39	4.87	161.33	322,668	175.73	351,466
	40	5.19	172.37	344,744	187.75	375,498
1 5/8		5.53	183.52	367,045	199.89	399,778
	42	5.69	188.85	377,701	205.71	411,423
	44	6.28	208.11	416,211	226.67	453,350
1 3/4		6.40	212.34	424,686	231.28	462,567
	46	6.85	227.37	454,743	247.66	495,321
1 7/8		7.34	243.65	487,296	265.39	530,774
	48	7.46	247.51	495,029	269.60	539,204
	50	8.02	265.87	531,740	289.60	579,198
2		8.27	274.33	548,669	298.83	597,654

Special constructions and diameters available - please contact us directly.