

Wire Rope Specifications

MLC250

Liftcrane - Boom No. B10:82A

Wire Rope Lengths - Hoist Line				
Boom Length		Hoist Line - Drum 2 (Rear Drum)		Total Parts of Line
Meters	Feet	Meters	Feet	
21,3	70.0	395	1,300	16
24,4	80.0	450	1,470	16
27,4	90.0	445	1,450	14
30,5	100.0	490	1,600	14
33,5	110.0	465	1,520	12
36,6	120.0	465	1,530	11
39,6	130.0	460	1,510	10
42,7	140.0	495	1,620	10
45,7	150.0	480	1,580	9
48,8	160.0	460	1,510	8
51,8	170.0	490	1,600	8
54,9	180.0	460	1,510	7
57,9	190.0	485	1,580	7
61,0	200.0	445	1,460	6
64,0	210.0	470	1,530	6
67,1	220.0	490	1,600	6
70,1	230.0	440	1,440	5
73,2	240.0	455	1,500	5
76,2	250.0	400	1,300	4
79,2	260.0	415	1,350	4
82,3	270.0	430	1,400	4
85,3	280.0	355	1,170	3
88,4	290.0	370	1,210	3

Note: Hoist line lengths given in table will allow hook to touch ground. When block travel below ground is required, add additional rope equal to parts of line times added travel distance. Hoisting distance or line pull may be limited when block travel below ground is required.

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Wire Rope Lengths - Single Hoist Drum									
Boom Length		Whip Line - Drum 1 (Front Drum)				Whip Line - Drum 3 (Auxillary Drum)			
		2 Parts		1 Part		2 Parts		1 Part	
Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet	Meters	Feet
21,3	70.0	85	280	60	190	80	260	55	180
24,4	80.0	95	310	65	210	90	290	60	200
27,4	90.0	105	340	70	230	100	320	65	220
30,5	100.0	110	370	80	250	110	350	75	240
33,5	110.0	120	400	85	270	115	380	80	260
36,6	120.0	130	430	90	290	125	410	85	280
39,6	130.0	140	450	95	310	135	440	90	300
42,7	140.0	150	480	100	330	145	470	95	320
45,7	150.0	160	510	110	350	155	500	105	340
48,8	160.0	165	540	115	370	160	530	110	360
51,8	170.0	175	570	120	390	170	560	115	380
54,9	180.0	185	600	125	410	180	590	120	400
57,9	190.0	195	630	130	430	190	620	130	420
61,0	200.0	205	660	140	450	200	650	135	440
64,0	210.0	210	690	145	470	210	680	140	460
67,1	220.0	220	720	150	490	215	710	145	480
70,1	230.0	230	750	155	510	225	740	150	500
73,2	240.0	240	780	165	530	235	770	160	520
76,2	250.0	250	810	170	550	245	800	165	540
79,2	260.0	260	840	175	570	255	830	170	560
82,3	270.0	265	870	180	590	265	860	175	580
85,3	280.0	275	900	185	610	270	890	185	600

Note: Whip line lengths given in table will allow hook to touch ground. When block travel below ground is required, add additional rope equal to parts of line times added travel distance. Hoisting distance or line pull may be limited when block travel below ground is required.

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Hoist Reeving for Main Load Block - Single Lead Line (Drum 2)								
No. Parts of Line	1	2	3	4	5	6	7	8
Maximum Load - kg	13 380	26 760	40 140	53 520	66,900	80,290	93,670	107,050
Maximum Load - lb	29,500	59,000	88,500	118,000	147,500	177,000	206,500	236,000
Maximum Load per Part of Line - kg	13 380	13 380	13 380	13 380	13 380	13 380	13 380	13 380
Maximum Load per Part of Line - lb	29,500	29,500	29,500	29,500	29,500	29,500	29,500	29,500
No. Parts of Line	9	10	11	12	13	14	15	16
Maximum Load - kg	120,430	133 810	147 190	160 570	173 950	187 330	200 710	214 100
Maximum Load - lb	265,500	295,000	324,500	354,000	383,500	413,000	442,500	472,000
Maximum Load per Part of Line - kg	13 380	13 380	13 380	13 380	13 380	13 380	13 380	13 380
Maximum Load per Part of Line - lb	29,500	29,500	29,500	29,500	29,500	29,500	29,500	29,500

Hoist Reeving for Main Load Block - Single Lead Line (Drum 2) for capacities greater than 214 100 kg (472,000 lbs)	
No. Parts of Line	16
Maximum Load - kg	226 700
Maximum Load - lb	500,000
Maximum Load per Part of Line - kg	14 180
Maximum Load per Part of Line - lb	31,250

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Hoist Reeving for Whip Load Block - Single Lead Line (Drum 1)		
No. Parts of Line	1	2
Maximum Load - kg	13 380	26 760
Maximum Load - lb	29,500	59,000
Maximum Load per Part of Line - kg	13 380	13 380
Maximum Load per Part of Line - lb	29,500	29,500

Hoist Reeving for Whip Load Block - Single Lead Line (Drum 3)		
No. Parts of Line	1	2
Maximum Load - kg	9 070	18 140
Maximum Load - lb	20,000	40,000
Maximum Load per Part of Line - kg	9 070	9 070
Maximum Load per Part of Line - lb	20,000	20,000

Warning: Free fall operation with Drum 1 or 2 is limited to 6 710 kg (14,800 lb) per part of line when lowering load with free fall clutch/brake pedal. Hydraulic power shall be used for full line pull. *Permanent brake damage could occur allowing the load to lower uncontrolled.*

Refer to Block Overhaul Weights chart **No. 9901-A** for minimum weight required for block lowering.

Refer to Wire Rope Attributes chart **No. 9910-A** for wire rope requirements.