

# Flexfil Rope

# 8

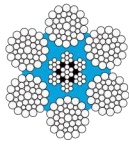
## Improved Durability and Service Life

Flexfil rope has about 30% better durability and service life than conventional wire ropes by filling specialized fiber containing grease inside.

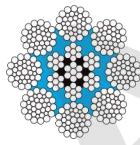
## Increased Grease Capacity

Compared to conventional ropes which contain 2~3% grease, Flexfil rope is capable of containing about 20% more grease(2.4~3.6%) by filling specialized fiber inside and this grease flows through the strands during service to make Flexfil rope lubricated. For this reason, Flexfil rope can perform 30% better in durability and 30~50% better in service life than general steel wire ropes.

## Special Crane



Flexfil 6



Flexfil 8

## © Properties



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## Special Crane

### Flexfil 6

Nominal Dia.		Minimum Breaking Load (Metric Ton)			Approx Weight
		180 Kg/mm <sup>2</sup>	200 Kg/mm <sup>2</sup>	220 Kg/mm <sup>2</sup>	
mm	inch	1770 N/mm <sup>2</sup>	1960 N/mm <sup>2</sup>	2160 N/mm <sup>2</sup>	Kg/m
18		22.7	24.7	26.8	1.45
19	3/4	25.3	27.5	29.8	1.62
20		28.1	30.5	33.0	1.79
21	13/16	30.9	33.6	36.4	1.97
22		34.0	36.9	40.0	2.17
22.2	7/8	34.7	37.6	40.8	2.21
24	15/16	40.4	43.9	47.6	2.58
25		43.9	47.6	51.6	2.80
25.4	1	45.3	49.1	53.3	2.89
26		47.4	51.5	55.8	3.03
28		55.0	59.7	64.7	3.51
28.6	1-1/8	57.4	62.3	67.5	3.66
30	1-3/16	63.2	68.5	74.3	4.03
31.8	1-1/4	71.0	77.0	83.5	4.53
32		71.9	78.0	84.6	4.58
34		81.1	88.0	95.5	5.18
35	1-3/8	86.0	93.3	101.2	5.48
36		91.0	98.7	107.0	5.80
38		101.3	110.0	119.2	6.46
38.1	1-1/2	101.9	110.6	119.9	6.50
40		112.3	121.9	132.1	7.16
42		123.8	134.3		7.90
44		135.9	147.4		8.67
44.5		138.7	150.5		8.85
46		148.5	161.2		9.47
48		161.7	175.5		10.32
50		175.4	190.4		11.19
50.8	2	181.1	196.5		11.55
52		189.8	205.9		12.11
54		204.6	222.1		13.06
56		220.1	238.8		14.04
57.2	2-1/4	229.6	249.2		14.65
58		236.1	256.2		15.06
60		252.6	274.2		16.12
63.5	2-1/2	283.0	307.1		18.05
66		305.7			19.50
68		324.5			20.70
70	2-3/4	343.9			21.94
72		363.8			23.21
74		384.3			24.52
76.2	3	407.5			26.00

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mm	inch	1770 N/mm <sup>2</sup>	1960 N/mm <sup>2</sup>	2160 N/mm <sup>2</sup>	Kg/m
22		33.4	37.2	40.3	2.12
23		36.5	40.7	44.0	2.32
24		39.8	44.3	47.9	2.52
25		43.1	48.1	52.0	2.73
26		46.7	52.0	56.2	2.96
28		54.1	60.3	65.2	3.43
28.6	1-1/8	56.5	62.9	68.0	3.58
30	1-3/16	62.1	69.2	74.9	3.94
32		70.7	78.8	85.2	4.48
34		79.8	88.9	96.1	5.06
35		84.5	94.2	101.9	5.36
36		89.4	99.7	107.8	5.67
38		99.7	111.1	120.1	6.32
38.1	1-1/2	100.2	111.6	120.7	6.35
40		110.4	123.1	133.1	7.00
42		121.7	135.7		7.72
44		133.6	148.9		8.47
45		139.8	155.7		8.86
46		146.0	162.7		9.25
48		159.0	177.2		10.08

□ Available upon request (Operation in poor condition is not recommendable.)