

# Powerfil

Powerfil rope is specialized for crane rope which has compacted outer strands and developed for cranes. It's filled with the special fiber yarn between the compacted outer strand and inner strand with IWRC structure. It has the extended life time through reducing pressure between outer strands and inner parts of the wire rope and keeping inner parts of wire ropes from rust and dirt that cause fractions of wire ropes to ropes. The special fiber yarn increase corrosion resistance and 30% durability than normal wire ropes by providing lubrication to IWRC.



## POWERFIL 6

- High fatigue resistance
- Very high breaking load
- Excellent resistance to deformation
- Strong against corrosion & abrasion
- Extended life of winch drum and sheave
- Fully lubricated & decrease of wire rope inside damage
- Excellent life time

Nominal Data		Minimum Breaking Load(Metric Ton)			Approx Weight Kg/m
mm	Inch	180Kg/mm <sup>2</sup> (1770N/mm <sup>2</sup> )	200Kg/mm <sup>2</sup> (1960N/mm <sup>2</sup> )	220Kg/mm <sup>2</sup> (2160N/mm <sup>2</sup> )	
22		38.2	41.4	43.3	2.29
22.2	7/8"	39.0	42.3	44.2	2.34
24	15/16"	45.5	49.3	51.5	2.73
25		49.3	53.5	55.9	2.96
25.4	1"	50.9	55.2	57.7	3.05
26	1-1/16"	53.4	57.9	60.5	3.20
28		61.9	67.1	70.1	3.71
28.6	1-1/8"	64.6	70.0	73.2	3.87
30	1-3/16"	71.1	77.0	80.5	4.26
31.8	1-1/4"	79.8	86.5	90.4	4.79
32		80.8	87.6	91.6	4.85
34		91.3	98.9	103.4	5.47
35	1-3/8"	96.7	104.8	109.6	5.80

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36		102.3	110.9	115.9	6.14
38		114.0	123.6	129.1	6.84
38.1		114.6	124.2	129.8	6.87
40	1-1/2"	126.3	136.9	-	7.58
42		139.3	151.0	-	8.35
44		152.9	165.7	-	9.17
44.5		156.0	169.1	-	9.35
46	1-3/4"	167.1	181.1	-	10.02
48		181.9	-	-	10.91
50		197.4	-	-	11.84
50.8		203.8	-	-	12.22
52	2"	213.5	-	-	12.80