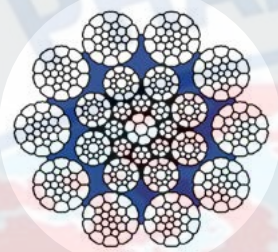


POWERACT 27DP



PRODUCT DETAILS

- High structural stability
- Very high breaking load
- Very high flexibility
- Excellent life time
- Prevents abrasion & break among internal wires
- Excellent resistance to deformation
- Extremely reduces internal stress
- Reversed Core lay, same core lay is available on request.

PROPERTIES

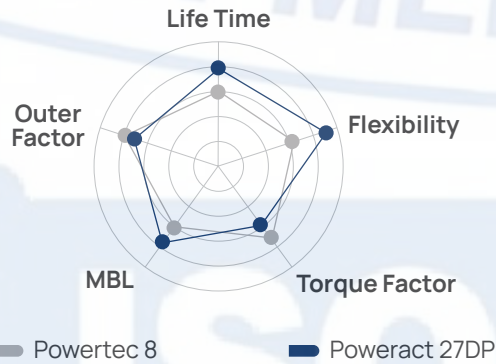


POWERACT 27DP	
Type	10 x K26WS + EPKIWRC
Size	8mm ~ 44mm
Rope diameter tolerance	+2.0% ~ +4.0%
Fill factor	0.693
Elastic modulus	111,000N/mm² ± 5,000N/mm²

APPLICATIONS

- Over Head Crane
Boom Hoist
Container Crane
- Mobile Harbor Crane
Mineral Ore Crane
Piling & Drilling crane

- If the inner plastic layer is not needed as customer's request, DSR can supply "Poweract 27D" which doesn't have plastic layer.



POWERACT 27DP

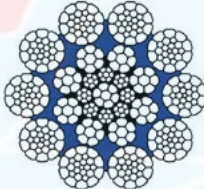
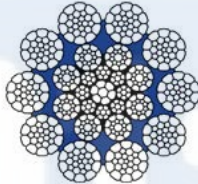
Wire Rope discard : ISO 4309 RCN 11 for 10xK26WS + EPKIWRC

* d = nominal diameter of rope

Single Layer Drum		Multi Layer Drum	
Ordinary lay	Lang lay	Ordinary lay & Lang lay	
10 Broken wires in (6d*)	5 Broken wires in (6d*)	20 Broken wires in (6d*)	42 Broken wires in (30d*)
21 Broken wires in (30d*)	10 Broken wires in (30d*)		

SHEAVE GROOVE DIAMETER

Minimum 5% up to 10% larger than nominal diameter of wire rope. 6% is recommended.
Ideally, at least 1% bigger than the actual diameter of new rope. 2% is recommended.

Wire rope construction	Nominal Dia		DSR SPEC			
			Cross section	Minimum Breaking Load (kN)		Approx Weight
	mm	inch	Area mm ²	200 kg/mm ² 1960 N/mm ²	220 kg/mm ² 2160 N/mm ²	
 10xK26WS+EPKIWRC (8xK7+8xK7+1xK7)	8		34.8	57.4	61.6	0.31
	9		44.1	72.6	77.9	0.39
	9.5	3/8	49.1	80.9	86.8	0.43
	10		54.4	89.6	96.2	0.48
	11	7/16	65.8	108.5	116.4	0.58
	12		78.3	129.1	138.5	0.69
	12.7	1/2	88	144.6	155.1	0.77
	13		92	151.5	162.5	0.81
	14		107	175.7	188.5	0.94
	14.3	9/16	111	183.3	196.7	0.98
	15		122	201.7	216.4	1.08
	16	5/8	139	229.5	246.2	1.22
	17.5	11/16	167	274.5	294.5	1.46
	18		176	290.5	311.6	1.55
	19	3/4	196	323.6	347.2	1.73
 10xK26WS+EPKIWRC (8xK19S+8xK7+1xK7)	20		218	358.6	384.7	1.91
	22	7/8	263	433.9	465.5	2.31
	24		313	516.4	554.0	2.75
	25		340	560.3	601.1	2.99
	25.4	1	351	578.4	620.5	3.09
	26		368	606.0	650.2	3.23
	28		426	702.8	754.0	3.75
	28.6	1-1/8	445	733.3	786.7	3.91
	30		490	806.8	865.6	4.30
	32	1-1/4	557	918.0	984.8	4.90
	34		629	1036.3	1111.8	5.53
	35	1-3/8	666	1098.2	1178.2	5.86
	36		705	1161.8	1246.4	6.20
	38		786	1294.5	1388.8	6.91
	38.1	1-1/2	790	1301.3	1396.1	6.94
	40		870	1434.4	1538.8	7.65
	42	1-1/2	960	1581.4	1696.5	8.44
	44		1053	1735.6	1862.0	9.26

- Available Right and Left hand – Standard Regular lay (Lang lay on request)