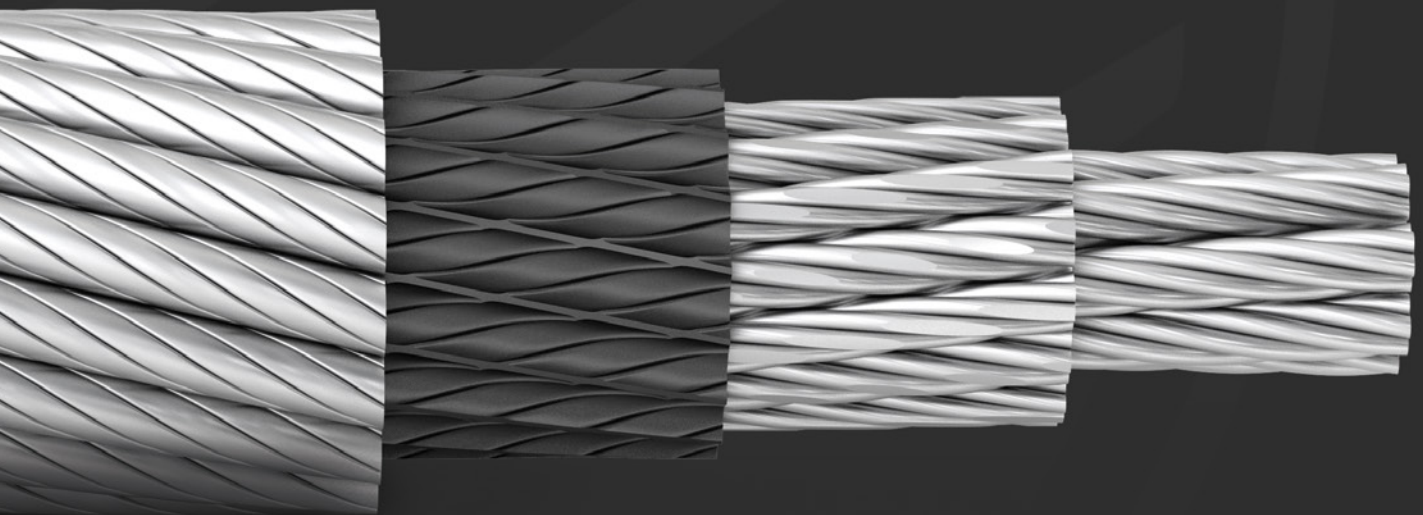


# PYTHON<sup>®</sup>

HIGH PERFORMANCE WIRE ROPE



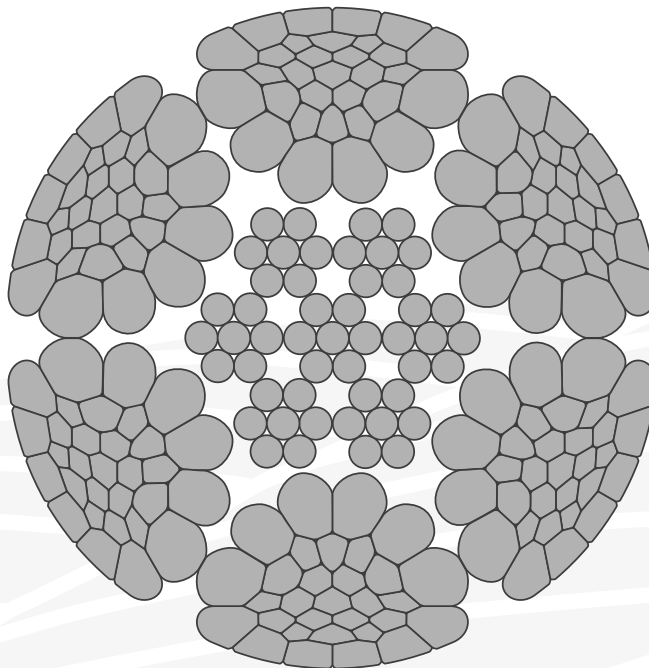
**NON-ROTATION RESISTANT ROPES COMPLETE**

# PYTHON CONSTRUCT 6

## APPLICATION INFORMATION

breaking strength	●●●●○
bending performance	●●●○
drum crush resistance	●●●●●
abrasion resistance	●●●●●
lateral pressure stability	●●●●○

rotation resistant	no
use with swivel	no
rec. max fleet angle	4,0°
multi layer suited	yes



FORCEPAC

NON - ROTATION RESISTANT

## ROPE CHARACTERISTICS

Construct 6 is a swaged rope which is constructed from specialty made engineered and sized 6-strand wire rope. The basic wire rope is specially manufactured to the perfect specifications for swage compacting into the finished product. The degree of swage compacting is carefully selected to ensure the best compromise between crush- and fatigue resistance. Because of the swage compacting process, most of the rope's initial stretch (constructional stretch) has already been removed.

Construct 6 is a budget solution for applications which require a crush resistant rope to be used on multiple layer winding systems; for instance boom hoist line on lattice boom mobile- and tower cranes and as a general purpose winch rope for heavy duty applications.

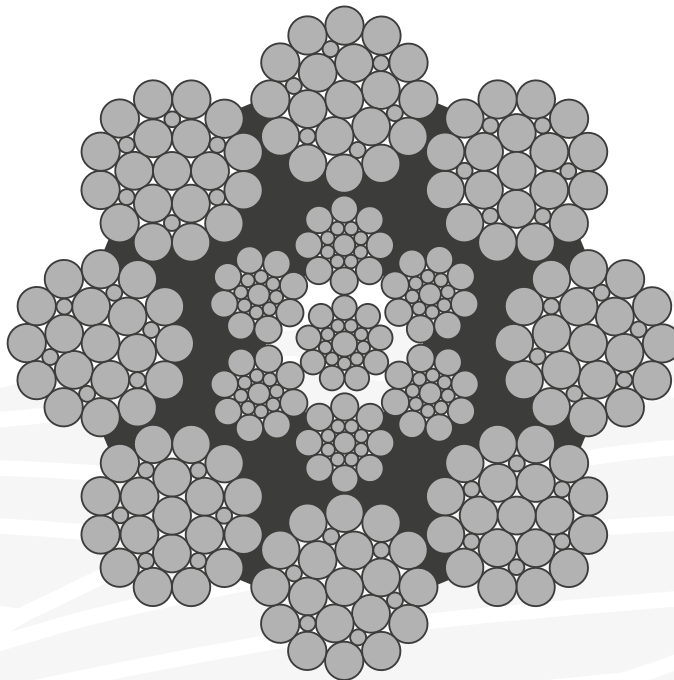
<b>construction</b> 7-25,4mm: 6xK31WS-IWRC 26-36mm: 6xK36WS-IWRC	<b>number of wires</b> 235 265	<b>load bearing outer wires</b> 186 216
<b>number of strands</b> 6+IWRC	<b>manufacturing tolerance</b> +2% / +4%	<b>available in</b> regular lay

Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load
		1960 N/mm <sup>2</sup> [kN]
1/4"	22,0	40
7	23,7	43
5/16"	38,0	67
8	38,0	67
9	46,0	82
3/8"	51,0	93
10	55,0	98
11	66,0	116
7/16"	66,0	116
12	76,0	136
1/2"	88,0	156
13	88,0	156
14	101,0	179
9/16"	101,0	179
15	114,0	203
5/8"	129,0	230
16	129,0	230
17	144,0	257
18	159,0	283
19	175,0	325
3/4"	176,0	325
20	193,0	343
21	211,5	387
22	230,0	432
7/8"	231,0	432
23	256,5	457
24	283,0	481
25	300,5	521
1"	302,0	557
26	318,0	561
27	335,0	635
28	352,0	708
1 - 1/8"	353,0	708
29	381,5	723
30	411,0	737
31	439,0	790
1 - 1/4"	469,0	843
32	469,0	843
33	502,5	898
34	536,0	953
1 - 3/8"	571,0	1.007
35	571,0	1.007
36	606,0	1.062

# PYTHON SUPER 8 R

## APPLICATION INFORMATION

breaking strength	●●●○○	rotation resistant	no
bending performance	●●●●●	use with swivel	no
drum crush resistance	N/A	rec. max fleet angle	4,0°
abrasion resistance	●●●○○	multi layer suited	no
lateral pressure stability	N/A		



PLASTGUARD

NON - ROTATION RESISTANT

## ROPE CHARACTERISTICS

Highly flexible rope for a wide variety of cranes with moderate breakload requirements. The 8-strand construction provides an excellent combination of flexibility, fatigue life, and abrasion resistance. Super 8 R is in many applications the step upward from 6x36, providing reduced downtime and installation costs. Suited as hoist line in systems using a left and right handed rope and in multi-fall applications with low lifting heights.

<b>construction</b> 10-50mm: 8x25F-EPIWRC 51-60mm: 8x36WS-EPIWRC 61+ mm: 8x41WS-EPIWRC	<b>number of wires</b> 249 / 321 409 449	<b>load bearing outer wires</b> 152 288 328
<b>number of strands</b> 8+IWRC	<b>manufacturing tolerance</b> +2% / +4%	<b>available in</b> regular- / lang lay

Minimum breaking load

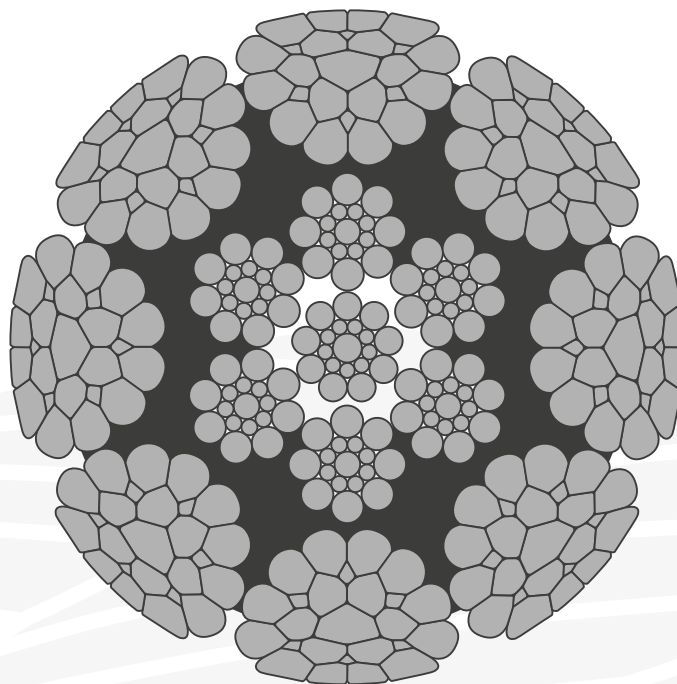
Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load		
		1770 N/mm <sup>2</sup> [kN]	1960 N/mm <sup>2</sup> [kN]	2160 N/mm <sup>2</sup> [kN]
10	42,0	75	83	87
11	51,0	91	101	105
7/16"	51,0	91	101	105
12	61,0	108	120	121
1/2"	66,5	115	130	138
13	72,0	127	141	149
14	82,0	147	163	171
9/16"	85,7	150	168	178
15	95,0	169	187	195
5/8"	102,9	181	201	214
16	108,0	192	213	219
17	123,0	217	240	252
18	137,0	243	269	279
19	153,0	271	300	309
3/4"	153,0	271	300	309
20	169,0	300	332	347
21	187,0	332	367	384
22	205,0	363	402	420
7/8"	205,7	364	403	427
23	224,4	398	441	456
24	243,0	432	479	496
25	255,9	454	502	545
1"	268,7	477	526	558
26	285,0	507	562	586
27	308,0	548	607	631
28	331,0	588	652	676
1-1/8"	342,9	606	671	712
29	361,5	641	710	746
30	380,0	676	748	780
31	406,0	722	800	834
1-1/4"	424,0	751	830	881
32	432,0	769	851	889
33	460,0	818	906	943
34	488,0	868	961	997
1-3/8"	510,7	902	1.000	1.061
35	518,0	920	1.019	1.061
36	548,0	973	1.077	1.144
38	610,0	1.084	1.200	1.275
1-1/2"	613,0	1.086	1.203	1.277
40	676,0	1.201	1.330	1.406
1-5/8"	697,6	1.239	1.372	1.489
42	745,0	1.344	1.466	1.552
44	817,0	1.453	1.609	1.703
1-3/4"	845,0	1.502	1.663	1.721
46	894,0	1.588	1.759	1.858
1-7/8"	946,0	1.681	1.862	1.965
48	973,0	1.729	1.915	2.021
50	1.056,0	1.877	2.078	2.167
2"	1.094,7	1.945	2.154	2.243
52	1.142,0	2.030	2.248	2.339

HIGHER DIAMETERS AND BREAKING LOADS ON REQUEST

# PYTHON SUPER 8 S

## APPLICATION INFORMATION

breaking strength	●●●●○	rotation resistant	no
bending performance	●●●○	use with swivel	no
drum crush resistance	●●●●●	rec. max fleet angle	4,0°
abrasion resistance	●●●●●	multi layer suited	yes
lateral pressure stability	●●●●○		



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NON - ROTATION RESISTANT

## ROPE CHARACTERISTICS

Super 8 S is a specialist in applications with severe drum crushing or in applications where material ingress causes a short rope service life (e.g. excavator draglines). The ForcePac compaction ensures a very closed and round rope surface, providing smooth and even spooling plus reduced wear and tear. Suited as hoist line in systems using a left and right handed rope and in multi-fall applications with low lifting heights.

construction 8xK25F-EPIWRC	number of wires 249 / 321	load bearing outer wires 152
number of strands 8+IWRC	manufacturing tolerance +2% / +4%	available in regular lay

Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load		
		1770 N/mm <sup>2</sup> [kN]	1960 N/mm <sup>2</sup> [kN]	2160 N/mm <sup>2</sup> [kN]
12	67,0	119	132	145
1/2"	74,3	133	153	160
13	79,0	140	155	170
14	92,0	162	179	198
9/16"	94,0	168	193	202
15	105,0	186	206	227
5/8"	115,5	203	225	248
16	119,0	212	234	258
17	135,0	239	264	291
18	152,0	268	297	327
19	168,0	298	330	364
3/4"	168,0	298	330	364
20	187,0	331	366	403
21	207,0	365	404	446
22	227,0	400	443	488
7/8"	233,6	412	456	502
23	248,0	438	485	534
24	269,0	476	527	581
25	292,5	517	573	631
1"	300,7	538	610	639
26	316,0	558	618	682
27	341,0	603	668	736
28	366,0	648	717	791
1-1/8"	375,2	679	752	829
29	393,5	696	770	849
30	421,0	744	823	907
31	450,0	795	880	970
1-1/4"	464,0	827	930	976
32	479,0	846	937	1.032
33	510,0	901	997	1.099
34	541,0	955	1.058	1.166
1-3/8"	563,0	984	1.129	1.184
35	573,5	1.013	1.122	1.236
36	606,0	1.071	1.186	1.307

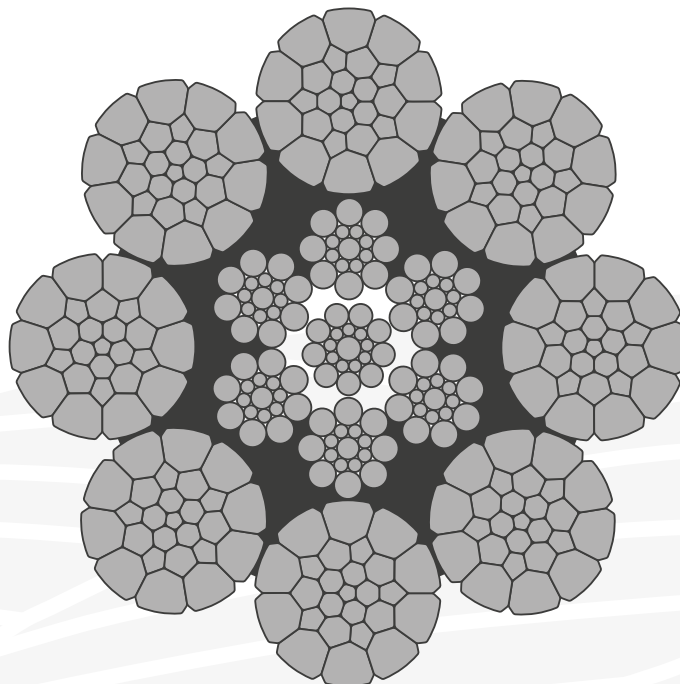
HIGHER DIAMETERS AND BREAKING LOADS ON REQUEST

# PYTHON SUPER 8 C

## APPLICATION INFORMATION

breaking strength	●●●●○
bending performance	●●●●○
drum crush resistance	●●●●○
abrasion resistance	●●●●○
lateral pressure stability	●●●●○

rotation resistant	no
use with swivel	no
rec. max fleet angle	4,0°
multi layer suited	yes



HIPAC



PLASTGUARD

NON - ROTATION RESISTANT

## ROPE CHARACTERISTICS

Super 8 C is the classic upgrade rope for most crane types for increased rope service life performance while maintaining the ability to operate with fleet angles up to 4°. The 8-strand construction provides an excellent combination of flexibility, fatigue life, and abrasion resistance.

The rope is available in dual-tensile strength by which the outer strand wires are made from a higher fatigue resistant steel (on request). Suited as hoist line in systems using a left and right handed rope and in multi-fall applications with low lifting heights.

construction	number of wires	load bearing outer wires
10-40mm: 8xK26WS-EPIWRC	257 / 329	208
41-55mm: 8xK31WS-EPIWRC	369	248
56-65mm: 8xK36WS-EPIWRC	409	288
66+ mm: 8xK41WS-EPIWRC	449	328
number of strands	manufacturing tolerance	available in
8+IWRC	+2% / +4%	regular- / lang lay



Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load		
		1770 N/mm <sup>2</sup> [kN]	1960 N/mm <sup>2</sup> [kN]	2160 N/mm <sup>2</sup> [kN]
12	63,5	113	129	132
1/2"	69,8	124	141	145
13	74,0	131	150	153
14	86,7	154	175	180
9/16"	88,3	157	179	184
15	98,0	176	200	205
5/8"	109,0	195	221	227
16	114,1	203	231	237
17	126,8	226	257	263
18	142,4	255	290	297
19	157,5	282	321	329
3/4"	157,5	282	321	329
20	175,7	314	357	366
21	194,5	348	396	405
22	213,2	382	434	445
7/8"	213,7	386	439	449
23	232,2	416	473	485
24	251,1	450	512	525
25	272,4	489	556	570
1"	282,7	499	574	581
26	293,7	527	600	615
27	318,7	573	651	667
28	343,7	618	703	720
1-1/8"	359,4	636	730	739
29	367,6	660	751	769
30	391,5	702	798	818
31	421,3	756	860	881
1-1/4"	442,6	778	898	909
32	451,0	810	921	944
33	479,9	859	977	1.001
34	508,7	908	1.033	1.058
1-3/8"	535,3	935	1.068	1.100
35	538,7	964	1.096	1.123
36	568,7	1.020	1.160	1.188
38	634,0	1.132	1.287	1.319
1-1/2"	641,4	1.133	1.289	1.320
40	700,4	1.257	1.430	1.465
1-5/8"	739,8	1.328	1.510	1.547
42	769,1	1.381	1.571	1.609
44	847,2	1.514	1.722	1.764
1-3/4"	877,4	1.567	1.783	1.826
46	929,3	1.659	1.888	1.934
1-7/8"	982,7	1.757	1.995	2.044
48	1.010,1	1.807	2.049	2.100

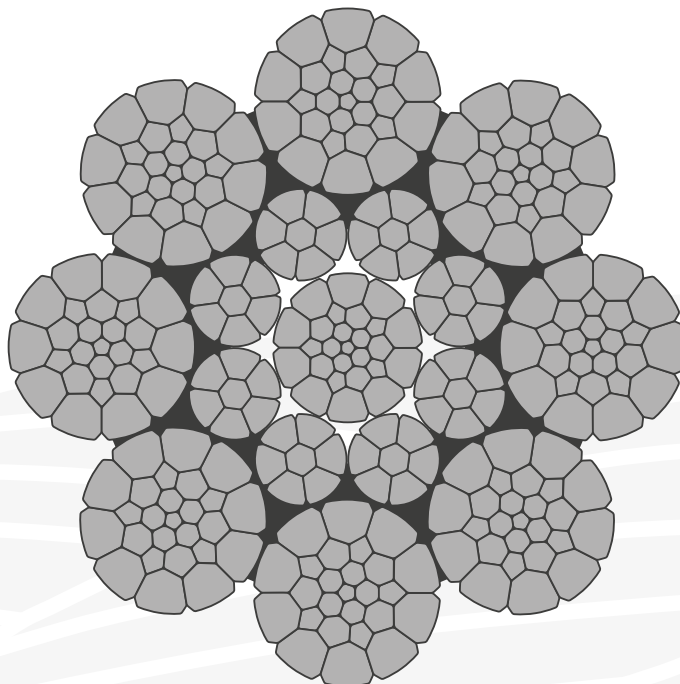
HIGHER DIAMETERS AND BREAKING LOADS ON REQUEST

# PYTHON SUPER 8 CD

## APPLICATION INFORMATION

breaking strength	●●●●●
bending performance	●●●●○
drum crush resistance	●●●●○
abrasion resistance	●●●●○
lateral pressure stability	●●●●○

rotation resistant	no
use with swivel	no
rec. max fleet angle	3,0°
multi layer suited	yes



HIPAC



PLASTGUARD



LONGLIFE

NON - ROTATION RESISTANT

## ROPE CHARACTERISTICS

Boasting with breakload and fatigue life, Super 8 CD is suited as hoist and luffing rope in applications with extreme breakload requirements. Suited as hoist line in systems using a left and right handed rope and in multi-fall applications with low lifting heights.

construction	number of wires	load bearing outer wires
10-40mm: 8xK26WS-EPPWRC(K)	290	208
41-55mm: 8xK31WS-EPPWRC(K)	335	248
56-65mm: 8xK36WS-EPPWRC(K)	444	288
66+ mm: 8xK41WS-EPPWRC(K)	505	328
<b>number of strands</b> 8+IWRC	<b>manufacturing tolerance</b> +2% / +4%	<b>available in</b> regular- / lang lay

Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load		
		1770 N/mm <sup>2</sup> [kN]	1960 N/mm <sup>2</sup> [kN]	2160 N/mm <sup>2</sup> [kN]
18	159,3	270	300	330
19	174,0	296	327	361
3/4"	174,0	296	327	361
20	192,9	328	363	400
21	214,8	365	404	445
22	235,4	400	443	488
7/8"	243,0	400	443	488
23	257,2	437	484	533
24	281,8	479	530	584
25	304,9	518	573	632
1"	317,0	539	596	657
26	328,5	558	618	681
27	352,0	598	662	730
28	384,9	654	724	798
1-1/8"	396,0	672	745	821
29	407,9	693	767	845
30	435,7	740	819	903
31	470,7	799	885	975
1-1/4"	500,3	850	941	1.037
32	500,3	850	941	1.037
33	528,8	898	995	1.096
34	559,8	951	1.053	1.160
1-3/8"	596,3	1.013	1.122	1.236
35	596,3	1.013	1.122	1.236
36	630,0	1.070	1.185	1.306
38	709,4	1.205	1.334	1.470
1-1/2"	709,4	1.205	1.334	1.470
40	778,4	1.322	1.464	1.613
1-5/8"	820,6	1.394	1.544	1.702
42	865,8	1.471	1.628	1.795
44	940,6	1.597	1.769	1.949
1-3/4"	950,6	1.614	1.787	1.969
46	1.033,3	1.755	1.943	2.142
1-7/8"	1.109,8	1.885	2.087	2.300
48	1.118,4	1.899	2.103	2.318
50	1.222,3	2.076	2.299	2.533
2"	1.265,0	2.142	2.372	2.614
52	1.312,2	2.229	2.468	2.720

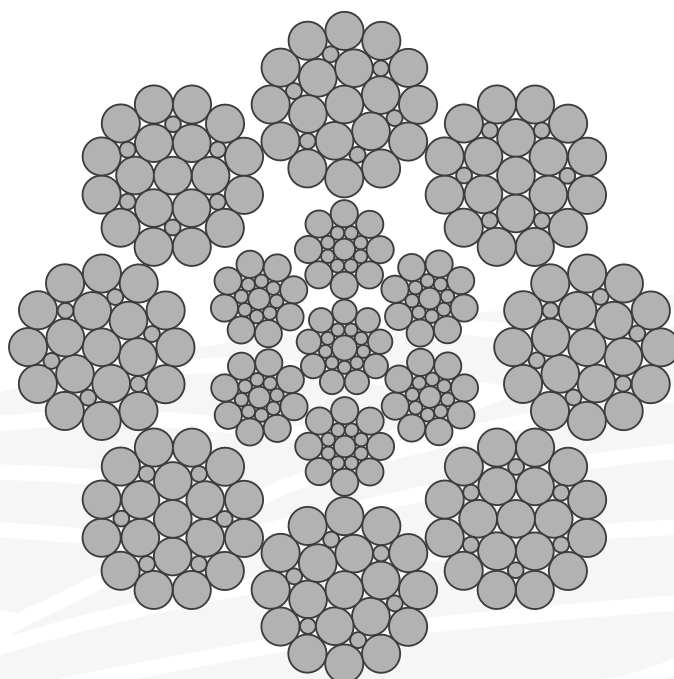
HIGHER DIAMETERS AND BREAKING LOADS ON REQUEST

# PYTHON FLAMESHIELD 8

## APPLICATION INFORMATION

breaking strength	●●●○○	rotation resistant	no
bending performance	●●●●●	use with swivel	no
drum crush resistance	N/A	rec. max fleet angle	4,0°
abrasion resistance	●●●○○	multi layer suited	no
lateral pressure stability	N/A		

NON - ROTATION RESISTANT



## ROPE CHARACTERISTICS

Flameshield 8 is particularly designed for hot shop cranes. Where standard rope wires would develop premature brittleness caused by excessive temperatures, Flameshield 8 goes the extra mile. A very flexible construction ensures a long rope core life. Suited as hoist line in systems using a left and right handed rope.

construction 8x25F-IWRC	number of wires 321	load bearing outer wires 152
number of strands 8+IWRC	manufacturing tolerance +2% / +4%	available in regular- / lang lay

Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load	
		1770 N/mm <sup>2</sup> [kN]	1960 N/mm <sup>2</sup> [kN]
20	172,0	281	311
21	190,5	311	344
22	209,0	340	377
7/8"	216,1	352	390
23	228,5	373	413
24	248,0	405	448
25	269,5	440	487
1"	279,1	456	505
26	291,0	475	526
27	314,5	513	568
28	338,0	551	610
1-1/8"	351,4	571	634
29	363,0	592	655
30	388,0	633	701
31	414,5	676	749
1-1/4"	431,8	705	780
32	441,0	720	797
33	469,5	766	848
34	498,0	813	900
1-3/8"	519,4	847	927
35	528,0	862	954
36	558,0	911	1.009
38	622,0	1.015	1.124
1-1/2"	640,5	1.045	1.157
40	689,0	1.125	1.245
1-5/8"	729,4	1.191	1.318
42	760,0	1.240	1.373
44	834,0	1.361	1.507
1-3/4"	862,3	1.407	1.558
46	912,0	1.487	1.647
1-7/8"	965,5	1.574	1.743
48	993,0	1.619	1.793

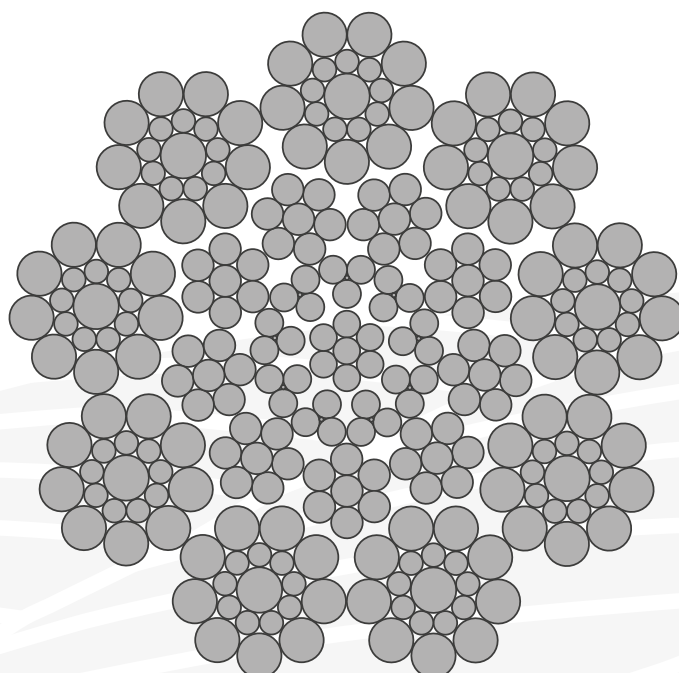
HIGHER DIAMETERS AND BREAKING LOADS ON REQUEST

# PYTHON POWER 9 R

## APPLICATION INFORMATION

breaking strength	●●●●○	rotation resistant	no
bending performance	●●●●●	use with swivel	no
drum crush resistance	N/A	rec. max fleet angle	2,0°
abrasion resistance	●●●●○	multi layer suited	no
lateral pressure stability	N/A		

NON - ROTATION RESISTANT



LOGLIFE

## ROPE CHARACTERISTICS

High strength yet super flexible overhead crane wire rope. Used as original equipment rope and for crane capacity upgrades. Also used as high strength engineered assembly cable for tension applications.

<b>construction</b> 10-22mm: 9x19S-PWRC 23-48mm: 9x25F-PWRC	<b>number of wires</b> 268 358	<b>load bearing outer wires</b> 171 171
<b>number of strands</b> 9+PWRC	<b>manufacturing tolerance</b> +2% / +4%	<b>available in</b> regular lay

Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load	
		1960 N/mm <sup>2</sup> [kN]	2160 N/mm <sup>2</sup> [kN]
10	49,0	89	98
11	59,0	108	119
7/16"	65,7	108	119
12	71,0	128	141
1/2"	75,1	144	151
13	83,0	150	166
14	96,0	174	192
9/16"	101,4	182	203
15	110,0	200	221
5/8"	112,6	227	241
16	126,0	228	251
17	142,0	257	283
18	159,0	288	318
19	177,0	321	354
3/4"	178,8	324	358
20	196,0	356	392
21	215,0	397	438
22	234,0	438	483
7/8"	236,3	445	488
23	256,5	480	529
24	279,0	522	575
25	303,0	567	625
1"	301,9	609	671
26	327,0	612	675
27	353,0	661	729
28	379,0	710	782
1-1/8"	385,4	740	815
29	407,5	762	840
30	436,0	815	898
31	466,0	871	960
1-1/4"	473,7	906	998
32	496,0	927	1.022
33	528,0	987	1.088
34	560,0	1.047	1.154
1-3/8"	572,5	1.076	1.185
35	593,5	1.110	1.224
36	627,0	1.174	1.294
38	699,0	1.308	1.441
1-1/2"	700,8	1.374	1.542
40	774,0	1.449	1.597
1-5/8"	819,6	1.534	1.690
42	854,0	1.598	1.761
44	937,0	1.753	1.932
1-3/4"	946,6	1.771	1.952
46	1.024,0	1.916	2.112
1-7/8"	1.083,8	2.028	2.235
48	1.115,0	2.087	2.299

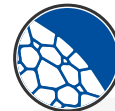
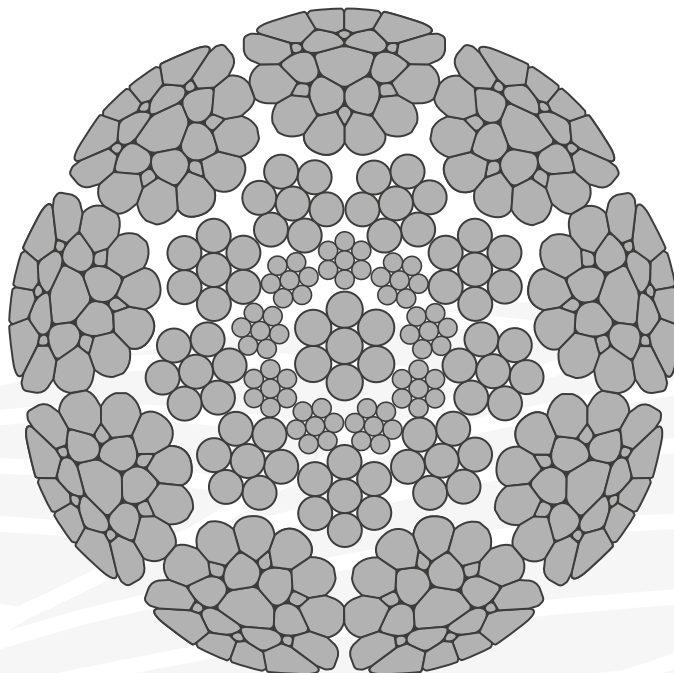
HIGHER DIAMETERS AND BREAKING LOADS ON REQUEST

# PYTHON POWER 9 S

## APPLICATION INFORMATION

breaking strength	●●●●○
bending performance	●●●○
drum crush resistance	●●●○
abrasion resistance	●●●●○
lateral pressure stability	●●●●●

rotation resistant	no
use with swivel	no
rec. max fleet angle	2,0°
multi layer suited	yes



FORCEPAC



LONGLIFE

NON - ROTATION RESISTANT

## ROPE CHARACTERISTICS

Very high strength yet super flexible overhead crane wire rope. Used as original equipment rope and for crane capacity upgrades. Also used as high strength engineered assembly cable for tension applications. Power 9 S is ForcePac compacted to enhance the abrasion characteristic and to reduce sheave- and drum wear.

<b>construction</b> 10-22mm: 9xK19S-PWRC 23-32mm: 9xK25F-PWRC	<b>number of wires</b> 268 358	<b>load bearing outer wires</b> 171 171
<b>number of strands</b> 9+PWRC	<b>manufacturing tolerance</b> +2% / +4%	<b>available in</b> regular lay



Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load	
		1960 N/mm <sup>2</sup> [kN]	2160 N/mm <sup>2</sup> [kN]
12	77,0	139	153
1/2"	77,4	157	164
13	90,0	163	180
14	104,0	189	209
9/16"	106,1	198	211
15	120,0	217	240
5/8"	121,2	245	257
16	136,0	247	273
17	154,0	279	308
18	173,0	313	345
19	192,0	349	384
3/4"	192,5	354	388
20	213,0	387	426
21	232,0	427	471
22	251,0	468	515
7/8"	253,6	491	541
23	274,5	512	564
24	298,0	557	613
25	324,0	605	667
1"	329,2	649	680
26	350,0	653	720
27	378,0	705	777
28	406,0	758	835
1-1/8"	408,7	828	868
29	436,0	814	897
30	466,0	870	958
31	498,0	930	1.024
1-1/4"	510,9	959	1.057
32	530,0	990	1.090

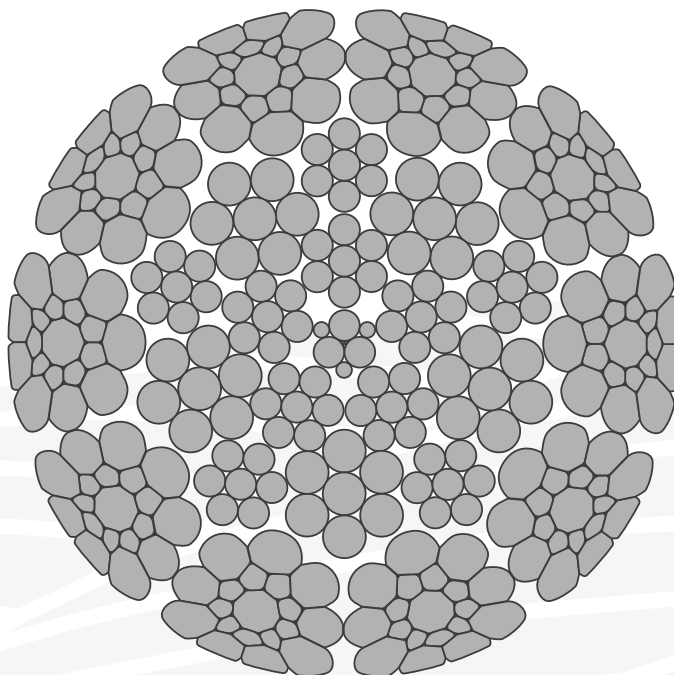
HIGHER DIAMETERS AND BREAKING LOADS ON REQUEST

# PYTHON ULTRA S

## APPLICATION INFORMATION

breaking strength	●●●●●
bending performance	●●●○○
drum crush resistance	●●●○○
abrasion resistance	●●●○○
lateral pressure stability	●●●●●

rotation resistant	no
use with swivel	no
rec. max fleet angle	2,0°
multi layer suited	yes



FORCEPAC



LONGLIFE

NON - ROTATION RESISTANT

## ROPE CHARACTERISTICS

Super high strength wire rope mainly used for engineered cable assemblies, counterweight ropes, winch lines, boom pendants, extension- and retraction cables, etc. Ultra S is ForcePac compacted to enhance the abrasion characteristic and to reduce sheave- and drum wear.

<b>construction</b> 10-20mm: 10xK19S-PWRC 21-32mm: 10xK25F-PWRC	<b>number of wires</b> 301 362	<b>load bearing outer wires</b> 190 190
<b>number of strands</b> 10+PWRC	<b>manufacturing tolerance</b> +2% / +4%	<b>available in</b> regular lay

Minimum breaking load

Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load	
		1960 N/mm <sup>2</sup> [kN]	2160 N/mm <sup>2</sup> [kN]
12	78,0	143	161
1/2"	82,8	166	180
13	91,0	168	190
14	106,0	194	221
9/16"	108,2	208	226
15	122,0	223	253
5/8"	129,4	236	281
16	138,0	254	288
17	156,0	287	325
18	175,0	321	361
19	195,0	358	403
3/4"	186,3	358	403
20	216,0	397	446
21	236,5	438	495
22	257,0	480	545
7/8"	259,7	486	555
23	281,5	526	589
24	306,0	571	633
25	333,0	620	688
1"	334,1	646	736
26	360,0	670	743
27	388,5	724	782
28	417,0	778	857
1-1/8"	417,7	808	900
29	448,0	835	920
30	479,0	893	984
31	512,0	954	1.051
1-1/4"	518,6	1.009	1.110
32	545,0	1.016	1.119

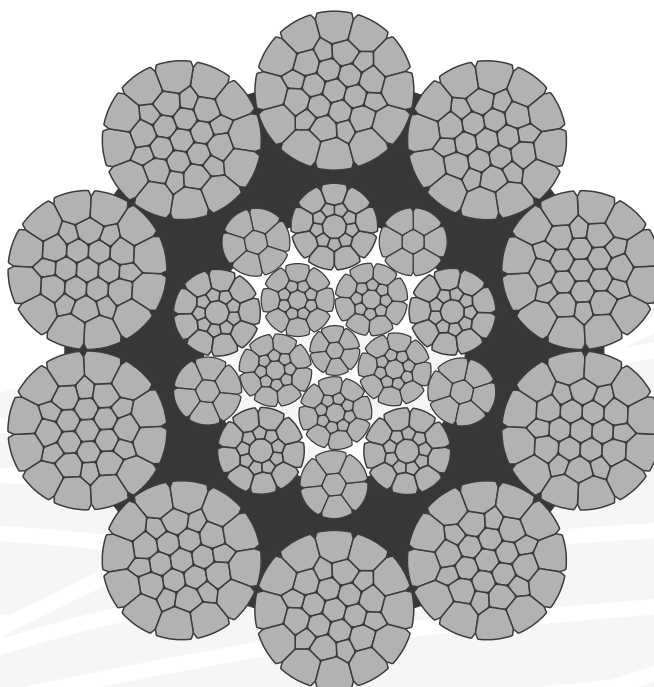
HIGHER DIAMETERS AND BREAKING LOADS ON REQUEST

# PYTHON ULTRA CP

## APPLICATION INFORMATION

breaking strength	●●●●●
bending performance	●●●●○
drum crush resistance	●●●○○
abrasion resistance	●●●●○
lateral pressure stability	●●●●○

rotation resistant	no
use with swivel	no
rec. max fleet angle	4,0°
multi layer suited	yes



HIPAC



PLASTGUARD

NON - ROTATION RESISTANT

## ROPE CHARACTERISTICS

The luffing rope for extreme breakload requirements including, but not limited to, dredging lines and in general offshore winch applications. Suited as hoist line in systems using a left and right handed rope and in multi-fall applications with low lifting heights.

construction 10xK31WS-EPIWRC(K)	number of wires 522	load bearing outer wires 310
number of strands 10+IWRC	manufacturing tolerance +2% / +4%	available in regular- / lang lay

Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load	
		1960 N/mm <sup>2</sup> [kN]	2160 N/mm <sup>2</sup> [kN]
1"	318,0	598	659
26	327,0	614	676
27	346,0	651	717
28	372,1	699	771
1-1/8"	389,0	731	806
29	399,7	751	828
30	432,2	812	895
31	460,9	866	955
1-1/4"	490,5	922	1.016
32	490,5	922	1.016
33	522,6	982	1.082
34	554,6	1.042	1.149
1-3/8"	587,3	1.104	1.216
35	587,3	1.104	1.216
36	618,8	1.163	1.282
38	689,8	1.296	1.429
1-1/2"	689,8	1.296	1.429
40	764,3	1.436	1.583
1-5/8"	808,0	1.519	1.674
42	848,1	1.594	1.757
44	922,1	1.733	1.910
1-3/4"	931,5	1.764	1.944
46	1.010,1	1.899	2.092
1-7/8"	1.080,0	2.030	2.238
48	1.105,2	2.077	2.289
50	1.198,6	2.253	2.483
2"	1.241,7	2.341	2.580
52	1.294,6	2.433	2.681
2-1/8"	1.394,8	2.622	2.890
54	1.395,3	2.622	2.890
56	1.495,0	2.810	3.096
2-1/4"	1.554,5	2.922	3.220
58	1.601,2	3.009	3.316
60	1.717,3	3.228	3.557
2-3/8"	1.720,0	3.228	3.557
62	1.833,1	3.445	3.797
2-1/2"	1.920,0	3.614	3.983
64	1.958,3	3.680	4.056
66	2.091,4	3.931	4.332
2-5/8"	2.147,6	4.036	4.448
68	2.213,6	4.160	4.585
2-3/4"	2.342,9	4.403	4.853
70	2.342,9	4.403	4.853
72	2.472,9	4.648	5.122
2-7/8"	2.543,7	4.781	5.269
74	2.607,1	4.900	5.400
76	2.764,1	5.195	5.725

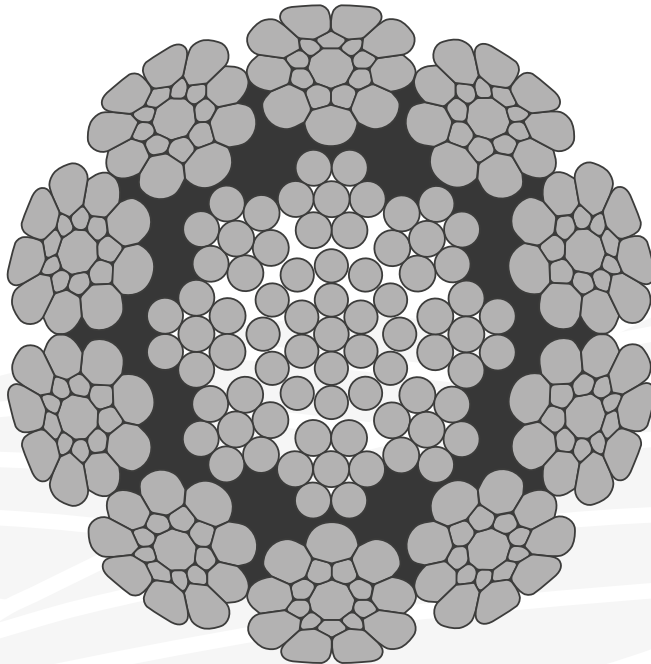
HIGHER DIAMETERS AND BREAKING LOADS ON REQUEST

# PYTHON MULTI

## APPLICATION INFORMATION

breaking strength	●●●○○	rotation resistant	no
bending performance	●●●●●	use with swivel	no
drum crush resistance	N/A	rec. max fleet angle	4,0°
abrasion resistance	●●●○○	multi layer suited	no
lateral pressure stability	N/A		

NON - ROTATION RESISTANT



FORCEPAC



PLASTGUARD

## ROPE CHARACTERISTICS

10-strand high performance wire rope for overhead cranes as well as some truck- and container cranes. Special spin-resistant feature prevents much of the unwanted block twisting on overhead cranes. The PlastGuard core protection prevents metal to metal contact between inner- and outer strands and greatly reduces internal, undetectable, wear and abrasion. Also, the core is twisted in the opposite direction of the outer strands making this rope spin-resistant and therefore ideal for cranes where both rope ends are attached to the drum.

Multi is a medium ForcePac'd rope to reduce initial rope stretch and to increase the outer strand contact area to sheaves and drum. 10 outer strands distribute the load pressures more equally thus reducing wear of the rope and your equipment.

construction 10xK19S-EPIWRC	number of wires 265	load bearing outer wires 190
number of strands 10+IWRC	manufacturing tolerance +2% / +4%	available in regular- / lang lay

Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load	
		1960 N/mm <sup>2</sup> [kN]	2160 N/mm <sup>2</sup> [kN]
13	75,0	128	141
14	87,0	148	163
9/16"	92,2	165	173
15	100,0	170	188
5/8"	107,0	192	212
16	114,0	194	213
17	129,0	219	241
18	144,0	245	270
19	161,0	273	301
3/4"	161,4	293	307
20	178,0	303	334
21	196,5	334	369
22	215,0	366	404
7/8"	217,2	385	424
23	235,5	401	442
24	256,0	436	480
25	278,5	474	522
1"	283,0	504	554
26	301,0	511	564
27	325,0	552	609
28	349,0	593	654
1-1/8"	351,2	637	702
29	375,0	637	702
30	401,0	681	750
31	428,5	728	802
1-1/4"	433,4	775	854
32	456,0	781	861
33	485,0	825	909
34	514,0	875	964
1-3/8"	525,4	928	1.022
35	545,5	952	1.050
36	577,0	981	1.081
38	643,0	1.093	1.204
1-1/2"	644,7	1.193	1.251
40	712,0	1.211	1.334
1-5/8"	753,6	1.281	1.412
42	785,0	1.335	1.471
44	862,0	1.465	1.614

HIGHER DIAMETERS AND BREAKING LOADS ON REQUEST

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