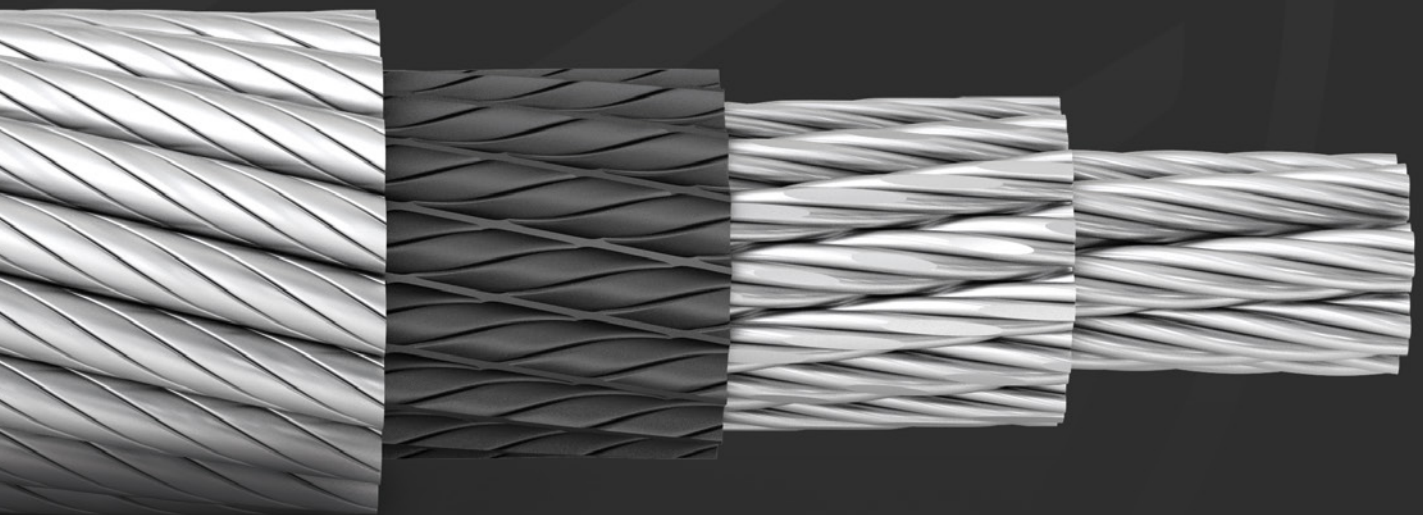


PYTHON®

HIGH PERFORMANCE WIRE ROPE

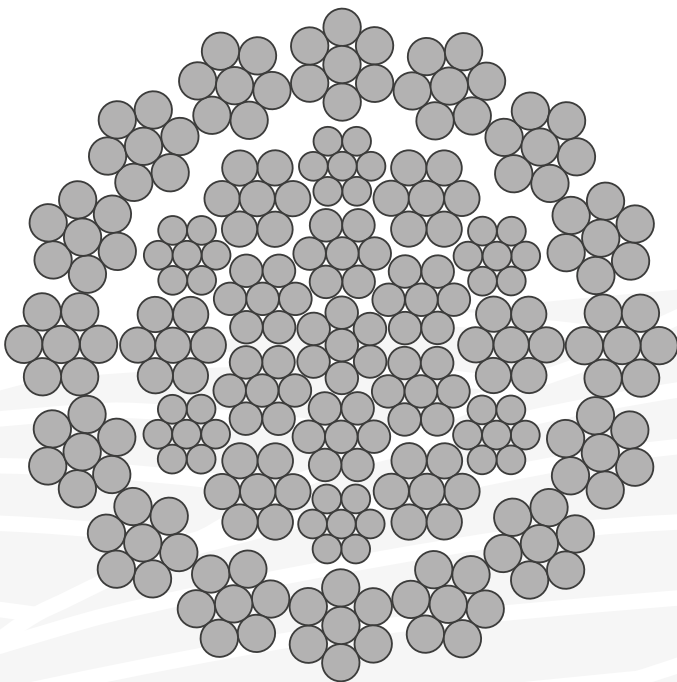


ROTATION RESISTANT ROPES COMPLETE

PYTHON CLASSIC 35 / CLASSIC 35 P

APPLICATION INFORMATION

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



optionally available
with PlastGuard
protection as
CLASSIC 35 P
[same break-
loads apply]

ROTATION RESISTANT

ROPE CHARACTERISTICS

Uncompacted, very flexible rope with LongLife designed core to prevent premature core deterioration. Use as hoist line on single layer drums in mobile cranes, tower cranes, high lifting height overhead cranes or any other application with requirement for rotation resistant rope and moderate breaking strength.

construction 35(W)x7-WSC	number of wires 245	load bearing outer wires 112
number of strands 35	manufacturing tolerance +2% / +4%	available in regular- / lang lay

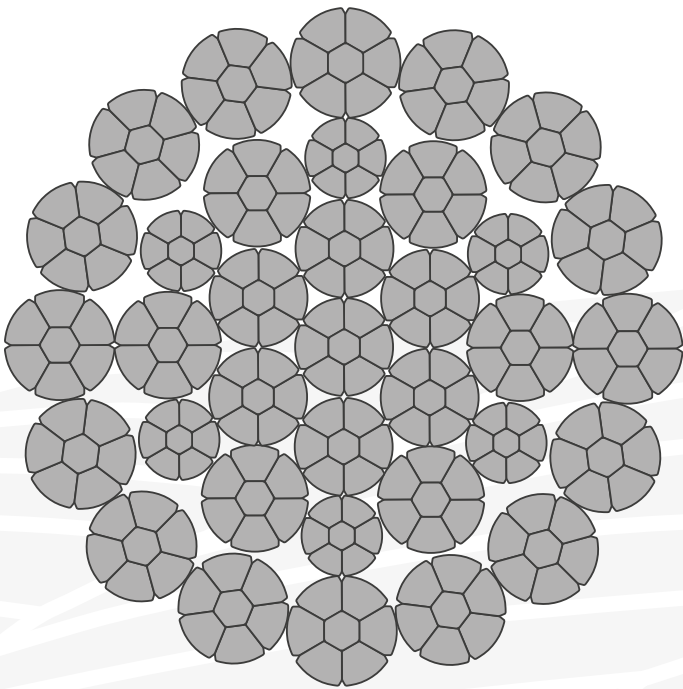
Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load		
		1770 N/mm ² [kN]	1960 N/mm ² [kN]	2160 N/mm ² [kN]
5/16"	26,6	44	49	54
8	26,6	44	49	54
9	33,7	55	61	68
3/8"	37,8	62	69	76
10	41,6	69	76	84
11	50,8	84	93	102
7/16"	50,8	84	93	102
12	59,9	99	109	120
1/2"	67,1	110	122	135
13	70,3	116	128	141
14	81,6	134	149	164
9/16"	85,1	140	155	171
15	93,6	154	171	188
5/8"	106,5	175	194	214
16	106,5	175	194	214
17	120,2	198	219	242
18	134,8	222	246	271
19	150,2	247	274	302
3/4"	150,2	247	274	302
20	175,0	277	307	334
21	195,0	303	336	370
22	210,7	345	382	421
7/8"	211,0	345	382	421
23	234,1	384	425	468
24	252,7	414	459	505
25	274,4	450	498	549
1"	286,0	467	517	570
26	298,5	489	542	597
27	320,6	525	582	641
28	344,9	565	626	690
1-1/8"	357,0	584	647	713
29	367,8	603	667	736
30	394,5	647	716	789
31	420,6	689	763	841
1-1/4"	449,0	736	814	898
32	448,8	736	814	898
33	474,3	777	861	949
34	503,6	825	914	1.007
1-3/8"	535,0	877	971	1.070
35	535,1	877	971	1.070
36	567,2	930	1.029	1.134
38	632,3	1.036	1.148	1.265
1-1/2"	634,0	1.039	1.151	1.268
40	699,6	1.146	1.270	1.399
1-5/8"	740,0	1.213	1.344	1.481
42	768,7	1.260	1.395	1.537
44	842,4	1.381	1.529	1.685
1-3/4"	851,1	1.395	1.545	1.702
46	930,7	1.525	1.689	1.861
1-7/8"	983,0	1.612	1.785	1.967
48	1.012,2	1.659	1.837	2.024
50	1.095,7	1.796	1.988	2.191
2"	1.135,5	1.858	2.057	2.267

HIGHER DIAMETERS AND BREAKING LOADS ON REQUEST

PYTHON COMPAC 35 / COMPAC 35 P

APPLICATION INFORMATION

breaking strength	●●●●○	rotation resistant	yes
bending performance	●●●●○	use with swivel	yes
drum crush resistance	●●●●○	rec. max fleet angle	2,0°
abrasion resistance	●●●●○	multi layer suited	yes
lateral pressure stability	●●●●○		



optionally available
with PlastGuard
protection as
COMPAC 35 P
[same break-
loads apply]

ROPE CHARACTERISTICS

HiPac compacted, flexible rope with a very high breaking load, perfectly suited for multi layer spooling. Due to the complex LongLife core design the rope is very flexible and durable over competitive products with low number of inner strands. Excellent results on tower cranes, mobile cranes, crawler cranes and offshore pedestal cranes. Available in high diameters for offshore winches and knuckle boom cranes.

construction 10-48mm: 35(W)xK7-KWSC 49-59mm: 35(W)xK17S-KWSC 60-80mm: 35(W)xK19W-KWSC 81-100mm: 35(W)xK25F-KWSC 100+ mm: 35(W)xK31WS-KWSC	number of wires 245 537 647 850 1018	load bearing outer wires 112 272 304 304 496
number of strands 35	manufacturing tolerance +2% / +4%	available in regular- / lang lay

Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load		
		1960 N/mm ² [kN]	2060 N/mm ² [kN]	2160 N/mm ² [kN]
5/16"	30,7	56	59	62
8	30,7	56	59	62
9	38,9	71	74	78
3/8"	43,4	79	83	87
10	48,0	87	91	96
11	58,1	106	111	116
7/16"	58,1	106	111	116
12	69,1	126	132	138
1/2"	77,1	140	147	154
13	81,1	147	154	162
14	94,1	171	180	188
9/16"	96,0	174	183	196
15	108,0	196	206	216
5/8"	122,8	223	235	246
16	122,8	223	235	246
17	138,7	252	265	278
18	155,5	283	297	311
19	173,2	315	331	347
3/4"	173,7	316	332	348
20	195,0	338	355	373
21	215,0	385	404	424
22	241,0	436	458	480
7/8"	243,5	438	461	483
23	267,0	481	506	530
24	284,0	512	538	564
25	312,0	563	592	620
1"	322,4	587	617	647
26	335,0	605	636	667
27	360,0	649	683	716
28	391,0	705	741	777
1 - 1/8"	402,8	733	771	808
29	413,0	745	783	821
30	446,0	804	845	886
31	478,0	862	906	950
1 - 1/4"	495,6	902	948	994
32	503,0	907	953	999
33	536,0	956	1.004	1.053
34	574,0	1.023	1.075	1.127
1 - 3/8"	600,7	1.080	1.135	1.190
35	606,0	1.080	1.135	1.190
36	642,0	1.144	1.202	1.260
38	718,0	1.279	1.344	1.409
1 - 1/2"	713,9	1.283	1.348	1.414
40	793,0	1.412	1.484	1.557
1 - 5/8"	833,7	1.486	1.561	1.637
42	870,0	1.549	1.629	1.708
44	948,0	1.690	1.776	1.862

PYTHON COMPAC 35 (CONTINUED)

ROTATION RESISTANT

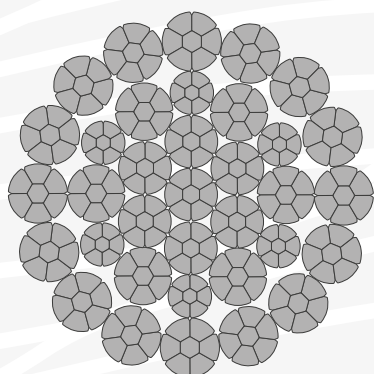
Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load		
		1960 N/mm ² [kN]	2060 N/mm ² [kN]	2160 N/mm ² [kN]
1 - 3/4"	957,7	1.707	1.794	1.881
46	1.040,0	1.858	1.953	2.048
1 - 7/8"	1.131,2	2.009	2.111	2.214
48	1.140,0	2.024	2.128	2.231
50	1.230,0	2.184	2.295	2.382
2"	1.249,7	2.219	2.332	2.421
52	1.320,0	2.357	2.477	2.545
2 - 1/8"	1.419,5	2.536	2.665	2.739
54	1.420,0	2.537	2.666	2.740
56	1.550,0	2.758	2.899	2.979
2 - 1/4"	1.604,2	2.867	3.013	3.096
58	1.660,0	2.960	3.111	3.196
60	1.770,0	3.158	3.319	3.446
2 - 3/8"	1.779,7	3.175	3.337	3.465
62	1.880,0	3.356	3.528	3.662
2 - 1/2"	1.975,6	3.520	3.699	3.840
64	2.000,0	3.565	3.746	3.889
66	2.140,0	3.811	4.005	4.157
2 - 5/8"	2.189,5	3.928	4.129	4.286
68	2.260,0	4.031	4.237	4.398
2 - 3/4"	2.404,8	4.294	4.512	4.637
70	2.410,0	4.303	4.522	4.647
72	2.540,0	4.531	4.762	4.894
2 - 7/8"	2.610,0	4.657	4.895	5.030
74	2.700,0	4.808	5.053	5.193
76	2.840,0	5.066	5.325	5.472
3"	2.847,5	5.079	5.339	5.486
78	2.990,0	5.335	5.607	5.762
3 - 1/8"	3.064,7	5.469	5.749	5.906
80	3.130,0	5.574	5.859	6.020
82	3.290,0	5.865	6.164	6.399
3 - 1/4"	3.312,1	5.904	6.205	6.442
84	3.480,0	6.203	6.520	6.768
3 - 3/8"	3.560,3	6.352	6.676	6.859
86	3.620,0	6.451	6.780	6.967
88	3.790,0	6.755	7.100	7.295
3 - 1/2"	3.875,6	6.909	7.261	7.462
90	3.990,0	7.118	7.481	7.687
92	4.140,0	7.380	7.756	7.970
3 - 5/8"	4.143,6	7.386	7.763	7.977
94	4.340,0	7.729	8.123	8.347
3 - 3/4"	4.431,6	7.905	8.309	8.537
96	4.560,0	8.125	8.540	8.775
98	4.710,0	8.391	8.819	9.063
3 - 7/8"	4.730,7	8.428	8.858	9.103
100	4.910,0	8.754	9.200	9.454

HIGHER DIAMETERS AND BREAKING LOADS ON REQUEST

APPLICATION INFORMATION

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

rotation resistant	yes
use with swivel	yes
rec. max fleet angle	2,0°
multi layer suited	yes



HIPAC

Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load
		2160 N/mm ² [kN]
5/8"	130,0	272
16	130,0	272
17	143,0	302
18	162,0	341
19	177,0	382
3/4"	177,0	382
20	200,0	421
21	217,0	460
22	238,0	503
7/8"	240,0	509
23	260,0	550
24	283,0	599
25	308,0	656
1"	320,0	684
26	331,0	696
27	358,0	741
28	385,0	798
1 - 1/8"	402,0	814
29	412,0	851
30	441,0	892
31	473,0	976
1 - 1/4"	497,0	1.029
32	511,0	1.085
33	540,5	1.128
34	570,0	1.170

ROPE CHARACTERISTICS

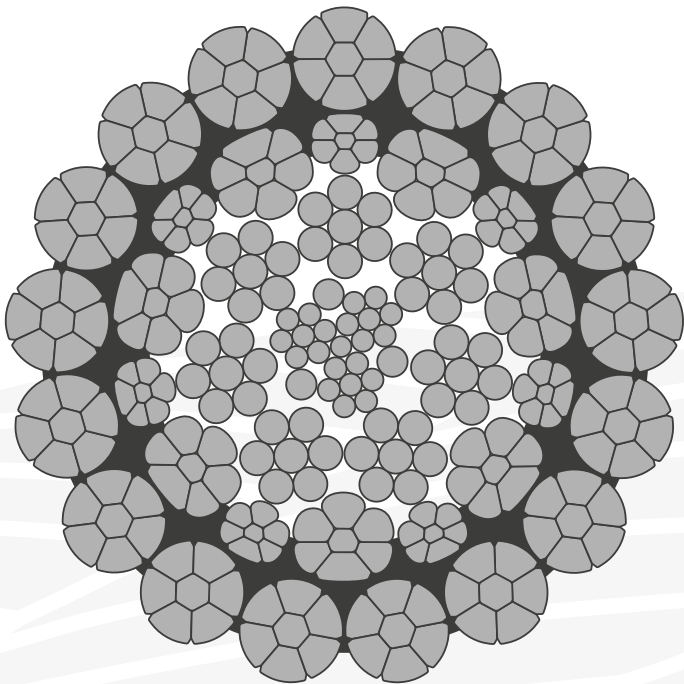
Enhanced version of Compac 35 for applications with extreme breaking strength requirements. Improved pressure stability.

construction 35(W)xK7-KWSC	number of wires 245	load bearing outer wires 112
number of strands 35	manufacturing tolerance +2% / +4%	available in regular- / lang lay

PYTHON HOIST C

APPLICATION INFORMATION

breaking strength	●●●●○	rotation resistant	yes
bending performance	●●●●○	use with swivel	yes
drum crush resistance	●●●●○	rec. max fleet angle	2,0°
abrasion resistance	●●●●○	multi layer suited	yes
lateral pressure stability	●●●●○		



HIPAC



PLASTGUARD

ROPE CHARACTERISTICS

Flexible high strength hoist rope for offshore cranes and deck cranes. The PlastGuard protection makes this rope less sensitive to high fleet angles. The ForcePac'd core in connection with the HiPac compacted outer layer provide very good pressure resistance on multi layer drums. An in-house developed long lasting lubrication formula protects the rope during long idle times.

construction 41(W)xK7-EPKWSC	number of wires 291	load bearing outer wires 119
number of strands 41	manufacturing tolerance +2% / +4%	available in regular- / lang lay

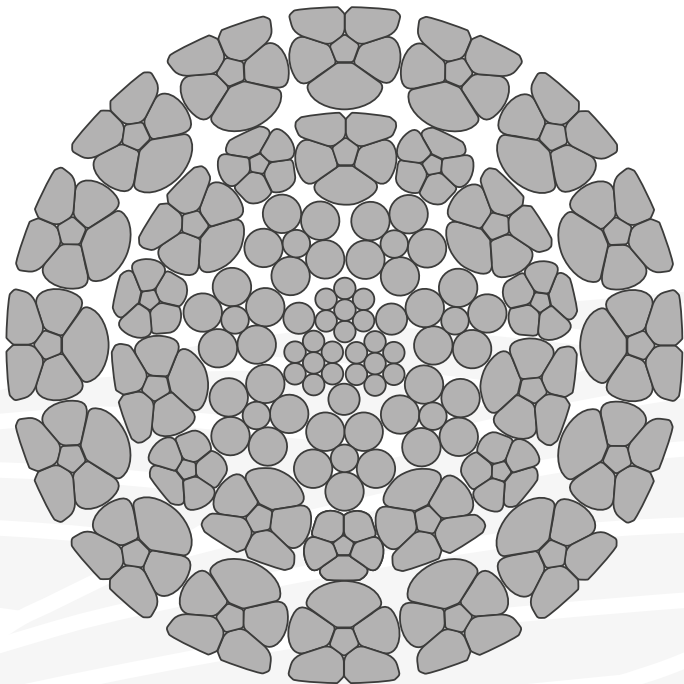
Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load	
		1960 N/mm ² [kN]	2160 N/mm ² [kN]
12	68,4	136	143
1/2"	74,9	151	158
13	78,0	153	163
14	89,3	179	188
9/16"	94,2	190	199
15	103,9	208	218
5/8"	117,3	236	247
16	118,7	237	248
17	133,1	262	279
18	150,0	300	315
19	169,5	338	355
3/4"	169,5	338	355
20	186,9	374	392
21	205,8	412	432
22	224,7	450	472
7/8"	229,6	461	484
23	248,5	497	516
24	272,3	543	559
25	294,7	580	612
1"	302,7	608	638
26	317,0	633	664
27	340,5	679	713
28	364,0	726	761
1-1/8"	381,4	767	804
29	389,6	778	816
30	415,2	830	870
31	442,2	883	926
1-1/4"	466,3	931	976
32	469,2	937	982
33	499,8	999	1.047
34	530,4	1.061	1.112
1-3/8"	564,8	1.128	1.183
35	565,9	1.130	1.185
36	601,4	1.200	1.258
38	659,8	1.318	1.382
1-1/2"	668,9	1.328	1.386
40	731,7	1.461	1.532
1-5/8"	780,0	1.558	1.634
42	817,7	1.635	1.714
44	898,9	1.795	1.882
1-3/4"	908,1	1.813	1.901
46	988,9	1.974	2.070
1-7/8"	1.030,5	2.060	2.160
48	1.044,8	2.091	2.193

HIGHER DIAMETERS AND BREAKING LOADS ON REQUEST

APPLICATION INFORMATION

breaking strength	●●●●●	rotation resistant	yes
bending performance	●●○○○	use with swivel	yes
drum crush resistance	●●●●●	rec. max fleet angle	2,0°
abrasion resistance	●●●●●	multi layer suited	yes
lateral pressure stability	●●●●●		

ROTATION RESISTANT



ROPE CHARACTERISTICS

Lift features the ForcePac compaction on both the core and the outer lay. Boasting with very high breaking strength, it is the ideal rope for low frequency cranes such as life boat davits or high capacity crawler cranes. It comes with excellent pressure stability and abrasion resistance for use in multi layer systems with high line pulls.

construction 39(W)xK6-KWSC	number of wires 241	load bearing outer wires 75
number of strands 39	manufacturing tolerance +2% / +4%	available in regular lay

Nominal diameter [mm/inch]	Mass weight [kg/100m]	Minimum breaking load	
		1960 N/mm ² [kN]	2160 N/mm ² [kN]
10	47,0	96	106
11	57,0	116	128
7/16"	57,4	118	130
12	68,0	139	153
1/2"	77,2	158	164
13	79,0	163	179
14	92,0	189	208
9/16"	97,3	199	220
15	106,0	217	239
5/8"	119,4	238	247
16	120,0	246	272
17	136,0	278	307
18	152,0	312	344
19	169,0	347	383
3/4"	171,8	347	383
20	188,0	385	424
21	207,5	425	469
22	227,0	466	513
7/8"	234,5	471	519
23	248,5	510	562
24	270,0	554	611
25	293,5	602	664
1"	305,2	604	665
26	317,0	651	717
27	342,5	703	774
28	368,0	755	832
1-1/8"	388,4	768	847
29	395,0	810	893
30	422,0	866	955
31	451,0	926	1.020
1-1/4"	479,5	949	1.045
32	480,0	986	1.086

HIGHER DIAMETERS AND BREAKING LOADS ON REQUEST



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