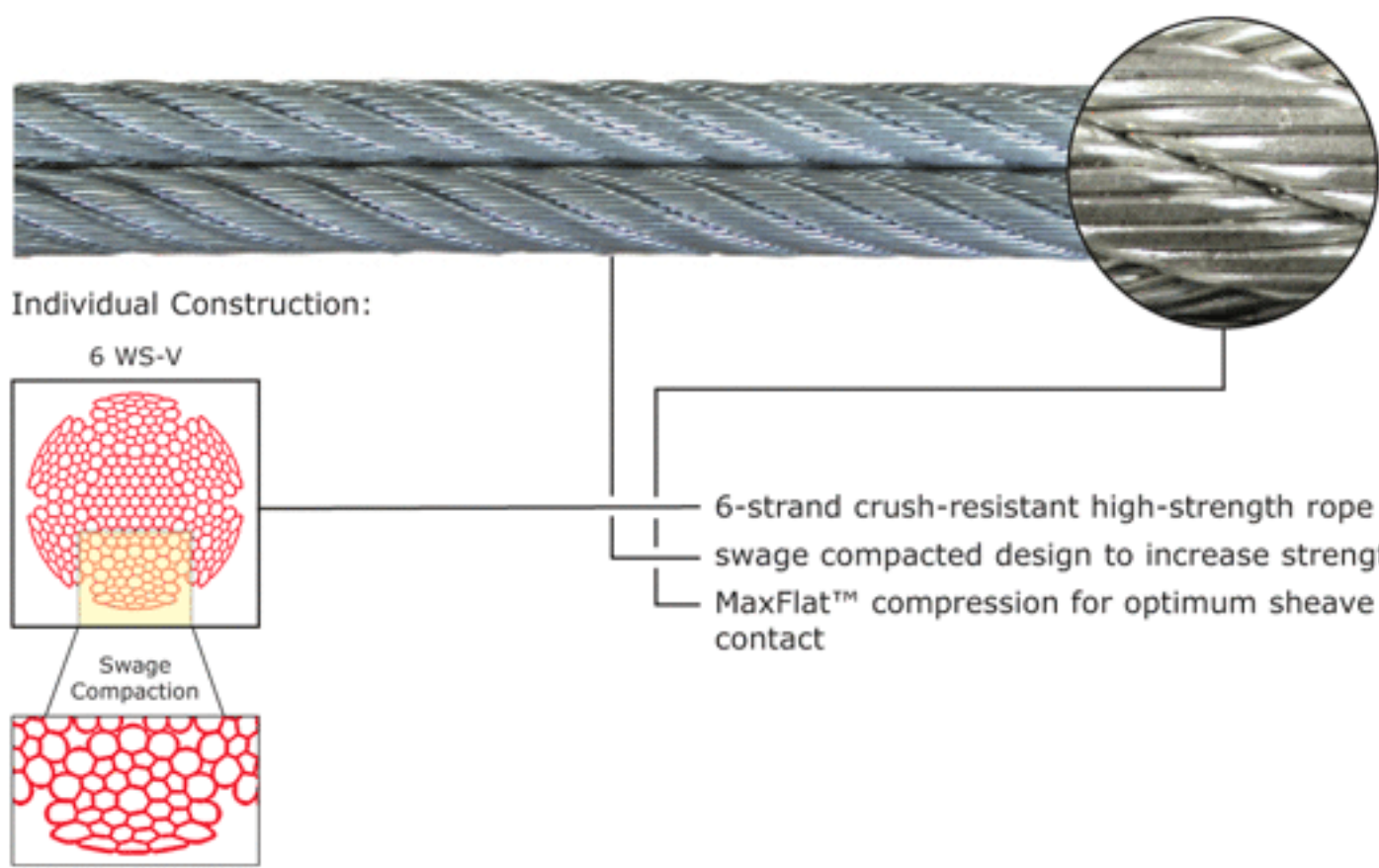


Python® Construct-6



Main Applications:

High strength standard 6-strand rope for applications which require a crush resistant rope to be used on multiple layer winding systems; e.g. boom hoist on lattice boom mobile- and tower cranes. This rope has also shown remarkable performance gains as main hoist rope on port container cranes and on some overhead crane applications.



Rope Characteristic:

Python® Construct-6 is a swaged rope which is constructed from specialty made engineered and sized 6-strand wire rope. The basic wire rope is already manufactured with purpose intend to be swage compacted into the finished product. The degree of swage compacting is carefully selected to ensure the best compromise between crush- and fatigue resistance. The strength increase compared to standard 6-strand ropes varies between about plus 10% to 35% depending on rope diameter.

Python® Construct-6 is available as a 25-wire (6 F-V) or 36-wire (6WS-V) construction, in leftand right lay, bright or galvanized. Choose 6 F-V as Boom Hoist rope, 6 WS-V for single layer drum hoisting.

Because of the swage compacting process, most of the rope's initial stretch (constructional stretch) has already been removed.

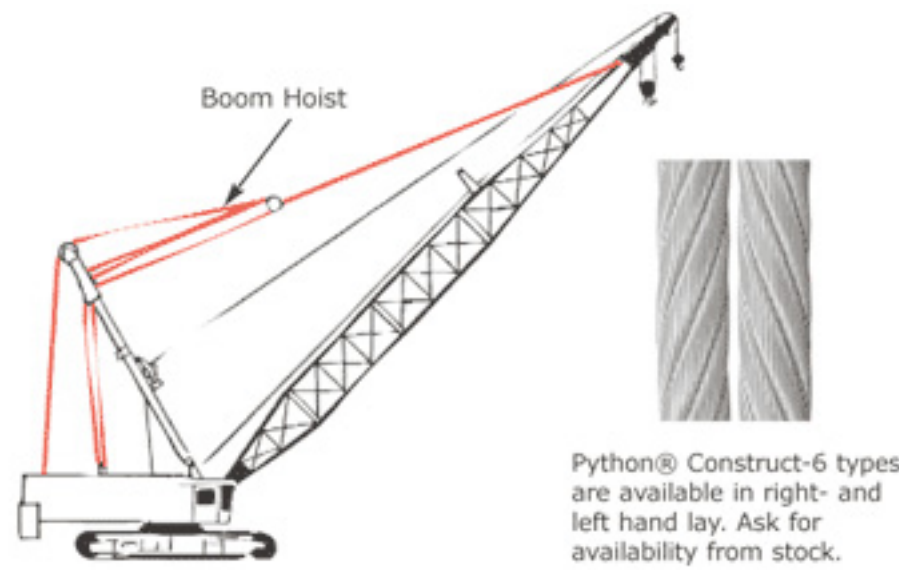
Do NOT use Python® Construct-6 wire rope attached to a swivel. The rope WILL unlay resulting in an unsafe condition.

Block Twisting (Cabling) will occur when used exceeding certain lifting heights. Call for advice

Standard:

EN 12385-1 where applicable.

Python® Construct-6 is NOT rotation resistant or non-rotating



Breaking Strengths

Note: The maximum CAPACITY, WORKING LOAD LIMIT (WLL), or LINE PULL of the rope usually is 1/5 of the below stated values. For specific information consult the standards applicable to your rope application.

6-strand swage compacted

Construction:

6 WS-V (6 x 36 Warrington-Seale)

6-strand rope with flat outer wire surface resisting drum crushing and aiding in better multiple layer spooling. Compacting removes most of constructional stretch.

Imperial Python Construct-6		
Rope Dia (inch)	Nominal Strength in tons of 2000 lbs EIPS	Weight per foot lbs
5/16	7.5	0.25
3/8	10.5	0.36
7/16	13.1	0.44
1/2	17.6	0.59
9/16	20.1	0.68
5/8	25.8	0.87
3/4	35.2	1.18
7/8	45.9	1.55
1	59.9	2.03
1 - 1/8	70.9	2.37
1 - 1/4	94.8	3.15

Metric Python Construct-6			
Rope Dia. (mm)	Minimum Strength 1960 N/mm2 (kN)	Minimum Strength 1960 N/mm2 (tons of 2000 lbs)	Weight per mtr kgs
8	67.1	7.5	0.37
9	82.2	9.2	0.46
10	98.3	11	0.55
11	116.2	13.1	0.65
12	135.6	15.2	0.76
13	156.3	17.6	0.87
14	178.5	20.1	1.01
15	202.5	22.8	1.13
16	229.9	25.8	1.29
18	283.1	31.8	1.59
19	313	25.2	1.75
20	342.9	38.5	1.91
22	408.6	45.9	2.3
24	481.2	54.1	2.7
26	561	63.1	3.16
28	631.2	70.9	3.52
30	737.4	82.9	4.1
32	843.4	94.8	4.68
34	952.6	107.1	5.34
36	1061.8	119.3	6.03