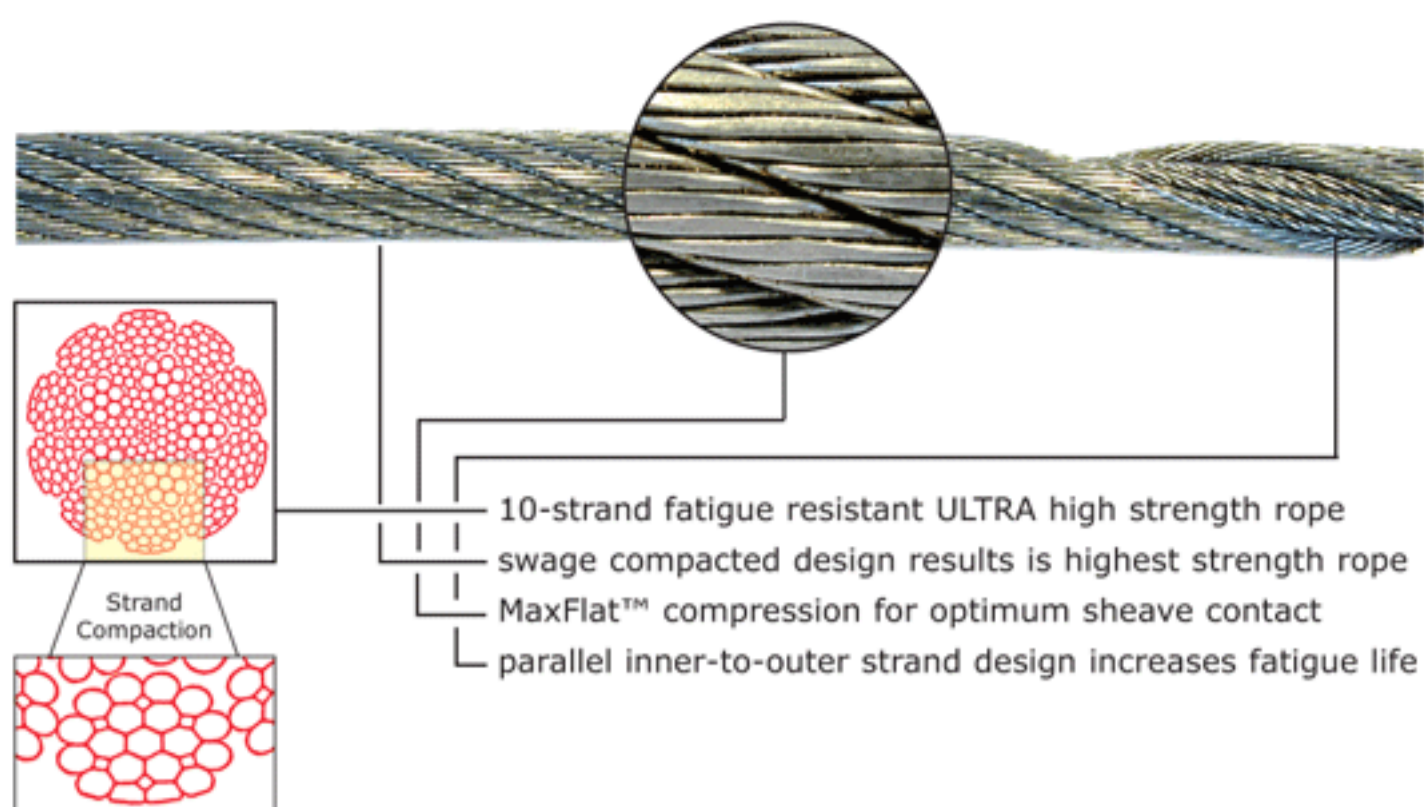
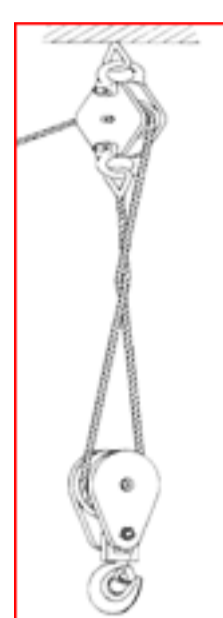


Python® Ultra



Main Applications:

Super high strength wire rope mainly used for engineered cable assemblies, counterweight ropes, winch lines, boom pendants, extension- and retraction cables, etc. Overhead crane applications for sizes above 3/4" (19 mm) may require some restrictions as to fleet angle and lay direction. Call before you select this rope.



Rope Characteristic:

Python® Ultra is our highest strength rope available. It is fully swage compacted resulting in an extreme smooth outer rope surface and the removal of nearly all of the constructional stretch. This is an important feature if you require a low stretch rope for cables assemblies. Ultra is an 'all parallel' construction type meaning that there are no wire cross-overs within the rope body to ensure maximum fatigue life. Ultra provides a strength increase of up to 53% over regular 6-strand constructions. Refer to the conservatively calculated strength tables.

Python® Ultra requires corresponding drum grooving directions; e.g. use a right hand lay rope if the drum is left hand grooved. Large fleet angles may cause high strands or core protrusion because the rope will roll rather than glide into the sheave groove. Any introduction of torque into (any) wire rope will cause structural damages.

Standard:

EN 10264, 12385 where applicable

Do NOT use Python® Ultra 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

Python® Ultra is NOT rotation resistant or non-rotating



Python® Ultra is available in right- and left hand lay. Ask for availability from stock.

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.

10-Strand Ultra High Strength Wire Rope

Construction:
 10 x 19 Seale (up to 3/4")
 10 x 25 Filler (7/8" and up)

Ultra high strength type mainly used as high fatigue resistant rope for engineered cable assemblies. Up to 55% strength increase over standard 6-strand constructions. Sensitive to introduced rotation so call before you select this type of rope for overhead crane applications.

Rope Characteristic:

- Ultra High Strength
- All steel, parallel construction
- Flexible 10 outer strand type
- Fully swage compacted
- Smooth rope surface
- High fatigue resistant



Imperial Python - Ultra			
Rope Dia. (inch)	Minimum Strength tons of 2000 lbs; Ultra (EIPS)	Minimum Strength tons of 2000 lbs; Ultra (EEIPS)	Weight per foot lbs.
1/2	18	19.8	0.59
9/16	22.8	25.1	0.74
5/8	28.5	31.4	0.93
3/4	40.2	44.3	1.31
7/8	53.9	59.4	1.73
1	71.9	79.2	2.31
1 - 1/8	91.1	100.5	2.93
1 - 1/4	114.1	125.8	3.66
1 - 3/8	135.7	149.6	4.36
1 - 1/2	160.9	177.3	5.17
1 - 5/8	190	209.5	6.1
1 - 3/4	215.7	237.8	6.93
1 - 7/8	252.4	278.3	8.11

Metric Python - Ultra			
Rope Dia. (mm)	Minimum Strength in kn; Ultra 1960 N/mm2	Minimum Strength in kn; Ultra 2160 N/mm2	Weight per mtr kgs
12	142.8	157.4	0.78
13	167.6	184.7	0.91
14	194.4	214.2	1.06
15	223.1	245.9	1.22
16	253.9	279.8	1.38
17	286.6	315.9	1.56
18	321.3	354.1	1.75
19	358	394.6	1.95
20	396.7	437.2	2.16
22	480	529	2.57
24	571.3	629.5	3.06
26	670.4	738.8	3.6
28	777.5	856.9	4.17
30	892.6	983.7	4.79
32	1015.6	1119.2	5.45
34	1146.5	1263.5	6.15
36	1285.3	1416.5	6.89
38	1432.1	1578.2	7.68
40	1586.8	1748.7	8.51
42	1749.5	1928	9.38
44	1920	2116	10.3
46	2098.6	2312.7	11.26
48	2285	2518.2	12.26