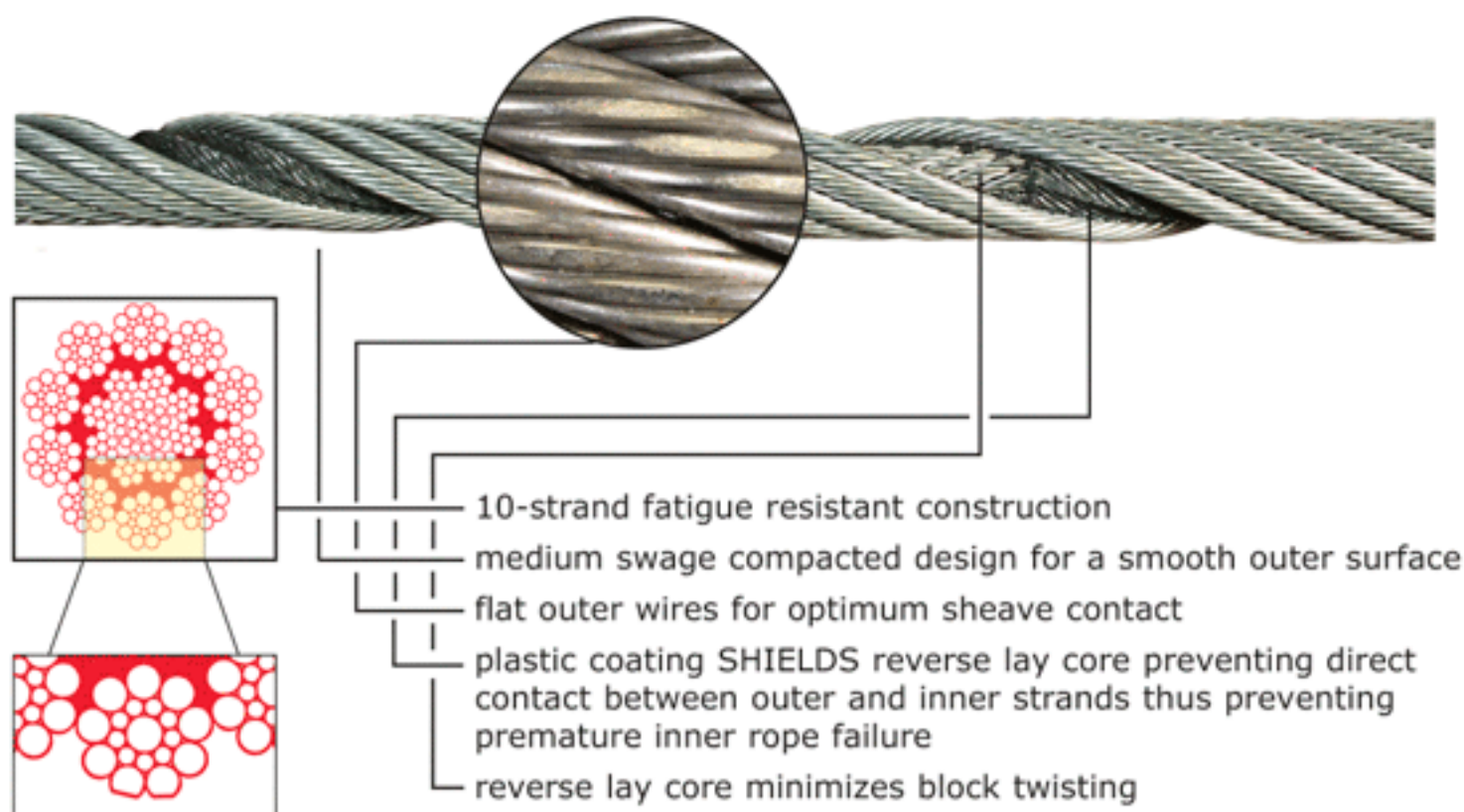


# Python® Multi



## Main Applications:

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.



## Rope Characteristic:

The core is plastic coated to prevent 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 compacted 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. Compared to 6-strand ropes Multi has increased service life in many cases up to 5 times and more.

## Standard:

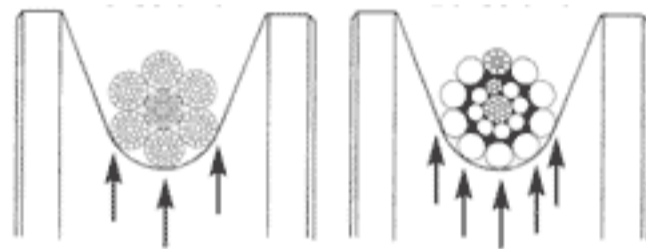
EN 10264, 12385 where applicable

Do NOT use Python® Multi 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® Multi is SPIN RESISTANT but NOT rotation resistant or non-rotating (Class III)**

**Used where these demands are low or moderate. Proper and sufficient line spacing is required.**



The 10-strand construction provides an increase in contact points between rope and sheave. Less wear of the rope and of your equipment.

## 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.

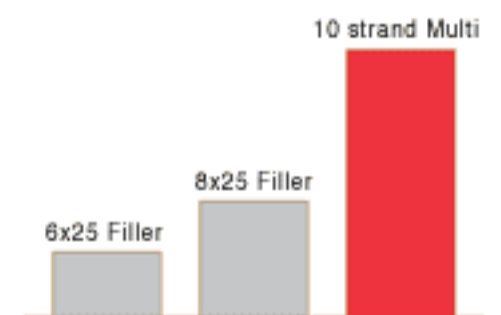
## 10-Strand Hoisting Wire Rope

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

Developed for maximum performance on overhead cranes. This rope features a plastic coated core for extended fatigue life performance and permanent core lubrication. Python® MULTI is spin resistant to reduce block twisting on overhead cranes. Also recommended for looping- or accumulator tower applications

## Fatigue Life Comparison

Example:  
Rope Dia. 5/8"  
Sheave Dia. 15 - 3/4"  
Sheave Opening 60 degree  
Rope tension at DF 5:1 for a 6-strand rope



Imperial Python MULTI			
Rope Dia. (inch)	Minimum Strength tons of 2000 lbs; MULTI (EIPS)	Minimum Strength tons of 2000 lbs; MULTI (EEIPS)	Weight per foot lbs
1/2	13.7	15.1	0.48
9/16	17.4	19.2	0.61
5/8	21.8	24	0.77
3/4	30.7	33.8	1.08
7/8	41.1	45.4	1.45
1	54.8	60.5	1.93
1 - 1/8	69.4	76.5	2.44
1 - 1/4	87	96	3.06
1 - 3/8	103.7	114.3	3.65
1 - 1/2	122.7	135.3	4.32
1 - 3/4	164.6	181.4	5.79

Metric Python MULTI			
Rope Dia. (mm)	Minimum Strength in kn; MULTI 1960 N/mm2	Minimum Strength in kn; MULTI 2160 N/mm2	Weight per mtr kgs
13	127.9	140.9	0.75
14	148.3	163.4	0.87
15	170.2	187.6	1
16	193.7	213.4	1.14
18	245.1	270.1	1.44
20	302.6	333.5	1.78
22	366.2	403.5	2.15
24	435.8	480.2	2.56
26	511.4	563.9	3.01
28	593.1	653.7	3.49
30	680.9	750.4	4.01
32	774.7	853.8	4.56
34	874.6	963.8	5.14
36	980.5	1080.5	5.77
38	1092.5	1204	6.43
40	1210.5	1334	7.12
42	1334.5	1470.5	7.85
44	1464.5	1614	8.62