

Plasma LoCo 12 Strand HMPE – Low Coefficient of Friction Plasma

Plasma® LoCo 12-Strand rope offers all the benefits of standard Plasma ropes with the added advantage of a reduced coefficient of friction coating. This coating enhances UV resistance, minimizes internal heat build-up, and reduces abrasion during constant tension, movement against surfaces, and bending.

Plasma rope has the added advantage of DNV and ABS class type approval throughout its range.

Features

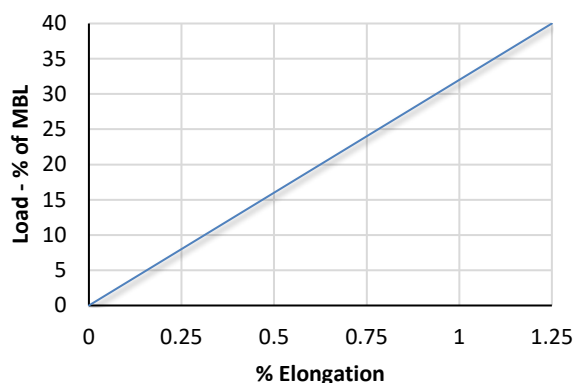
- Highest strength to weight ratio of any fibre
- Low Creep
- Excellent UV & chemical resistance
- Easy to splice
- Safer than wire
- High flex fatigue and abrasion resistance
- Excellent durability

Technical Information

Specific gravity	.98*
Melting point	140°C
Critical temp.	65°C
Elongation at break	3%-4%
Floats/Sinks	floats
UV resistance	good
Wet abrasion	superior
Dry abrasion	superior

* value based on data supplied by the fibre manufacturer for new, dry fibre

Plasma LoCo 12 Strand Elongation (%)



Nominal Diameter		Size Circ.	Approximate Weight	Minimum Tensile Strength Spliced	Minimum Tensile Strength ISO Unspliced
Inch	MM	Inches	Kg/ 100m	Tonnes (Te)	Tonnes (Te)
0.04"	1	0.12	0.1	0.1	0.13
0.05"	1.25	0.15	0.1	0.2	0.20
0.06"	1.5	0.18	0.1	0.2	0.23
0.07"	1.75	0.21	0.2	0.3	0.38
0.1"	2.5	0.3	0.4	0.6	0.7
1/8"	3	3/8"	0.8	1.3	1.4
3/16"	5	9/16"	1.7	2.5	2.8
1/4"	6	3/4"	2.4	3.6	4.0
5/16"	8	15/16"	3.7	5.3	5.9
3/8"	9	1 1/8"	5.5	7.9	8.8
7/16"	11	1 1/4"	6.3	9.5	10.6
1/2"	12	1 1/2"	9.5	14.2	15.8
9/16"	14	1 3/4"	11.8	17.2	19.1
5/8"	16	2"	15.8	23.3	25.9
3/4"	18	2 1/4"	19.8	31.1	34.6
13/16"	20	2 1/2"	23.7	33.6	37.2
7/8"	22	2 3/4"	29.2	42.0	46.7
1"	24	3"	34.8	49.9	55.4
1 1/16"	26	3 1/4"	40.9	58.6	65.1
1 1/8"	28	3 1/2"	47.5	66.7	74.1
1 1/4"	30	3 3/4"	53.9	74.9	83.1
1 5/16"	32	4"	62.1	88.9	98.8
1 1/2"	36	4 1/2"	76.9	100.3	111.3