

PRODUCT INFORMATION

TEXTILE ROPE

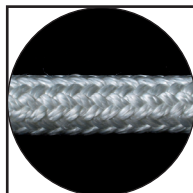
Jacketed parallel lay winchlines

Compact...
 Mooring rope, floats, high tensile strength, optimum elasticity, dimensionally stable,
 But: low flexibility
 (Recommended usage: only on winches).

powerflote winchline

Jacketed 7-strand twisted core

Nominal Rope-Size (~mm Ø)	Nominal Rope Circ. ~" inch	Rope Weight ~ kg/m	Minimum Breaking Force	
			kN	kgf
40	5	0,81	303	30900
44	5½	0,98	380	38700
48	6	1,17	465	47400
52	6½	1,32	535	54600
56	7	1,54	636	64800
60	7½	1,77	745	76000
64	8	2,00	815	83100
68	8½	2,26	939	95700
72	9	2,54	1060	108000
80	10	3,19	1300	133000
88	11	3,86	1600	163000
96	12	4,56	1850	186000



Material: High Tenacity Polyethylene
 (Jacket High Tenacity Polyester/Polyethylene)
 Specific Gravity: 0,93
 Melting Point: 165°C
 Operating Temperature: 70°C (max./continuous use)

Variations...

There is no standard for this, hence figures are only typical and may vary depending on application.

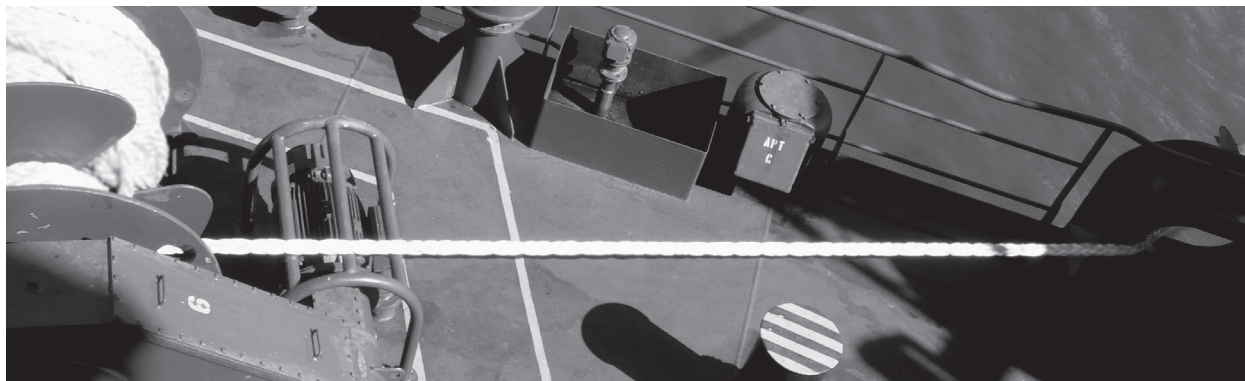
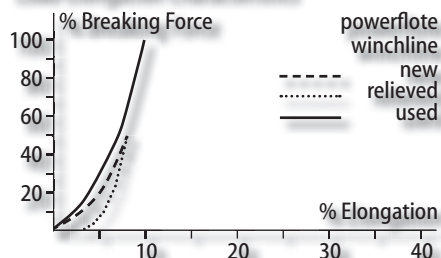


Impregnation

... an effective gain for extra life and safety: AFC emulsions (PE, PFF or PUD-based, depending on rope material) protect rope yarns, therefore

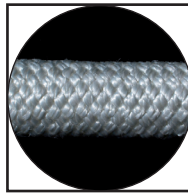
- optimise load distribution and elongation balance within the strand structure
- protect yarns from rubbing against one another and from infiltration of foreign particles
- effectively reduce wear inside the rope

Load-Elongation Characteristics



Ships...

Shown here: typical ropes used on board



magnum winchline

Jacketed parallel laid twisted strand ropes

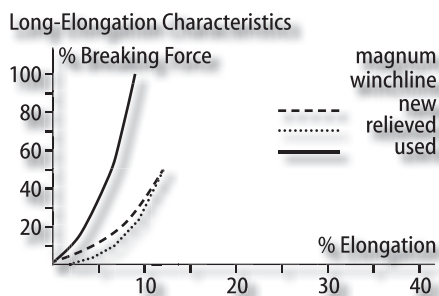
Nominal Rope-Size (~mm Ø)	Nominal Rope Circ. ~" inch	Rope Weight ~ kg/m	Minimum Breaking Force	
			kN	kgf
40	5	1,12	542	55300
44	5½	1,33	659	67200
48	6	1,61	814	83000
52	6½	1,88	969	98800
56	7	2,22	1170	119000
60	7½	2,49	1310	134000
64	8	2,84	1470	150000
68	8½	3,25	1710	174000
72	9	3,53	1860	190000
76	9½	3,92	2015	205000
80	10	4,33	2250	230000
88	11	5,28	2790	285000
96	12	6,30	3260	333000
104	13	7,38	3790	387000

Material: High Tenacity Polyester
Specific Gravity: 1,38
Melting Point: 260°C
Operating Temperature: 100°C (max./continuous use)

Resilient...
Hard-wearing, very high tensile strength, very wear-resistant. Extreme dynamic load strength, dimensionally stable. Ideal as tow line. But: low flexibility. (Recommended application: only on winches).



Textile Ropes



Variations...

There is no standard for this, hence figures are only typical and may vary depending on application.

The rope weight is defined as the linear rope mass under pretension, approximate limit deviation $\pm 5\%$. The nominal rope size is the approximate rope diameter in mm, the nominal rope circumference the approximate rope circumference in inches. Minimum breaking forces determined according to current ISO standard. (Test result meets requirement if break occurs either at 100% of relevant value when linear (unspliced), or minimum 90% at splice).