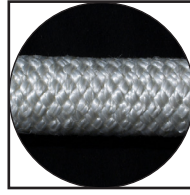


PRODUCT INFORMATION

TEXTILE ROPE

winchlines



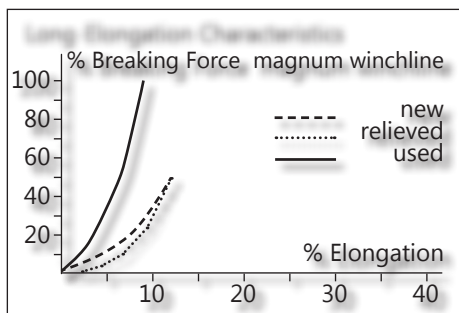
Resilient...
 Hard-wearing, very high tensile strength, very wear-resistant. Extreme dynamic load strength, dimensionally stable. Ideal as tow line. But: low flexibility. (Recommended application: only on winches).

magnum winchline

Jacketed parallel laid twisted strand ropes

Nominal Rope-Size	Nominal Rope Circ.	Rope Weight	Minimum Breaking Force	
(~mm Ø)	~"inch	~ kg/m	kN	kgf
40	5	1,18	569	58000
44	5 ½	1,47	732	74700
48	6	1,75	895	91300
52	6 ½	2,05	1060	108000
56	7	2,45	1300	133000
60	7 ½	2,76	1470	150000
64	8	3,19	1670	170000
68	8 ½	3,55	1870	191000
72	9	4,10	2120	216000
76	9 ½	4,45	2320	237000
80	10	4,95	2610	266000
88	11	5,94	3180	324000
96	12	7,01	3670	374000

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



The rope weight is defined as the linear rope mass under pretension, approximate limit deviation ±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).

powerflote winchline

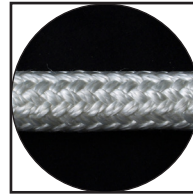
Jacketed 7-strand twisted core

Nominal Rope-Size	Nominal Rope Circ.	Rope Weight	Minimum Breaking Force	
(~mm Ø)	~"inch	~ kg/m	kN	kgf
40	5	0,81	303	30900
44	5 ½	0,98	380	38700
48	6	1,17	465	47400
52	6 ½	1,32	535	54600
56	7	1,54	636	68800
60	7 ½	1,77	745	76000
64	8	2,00	815	83100
68	8 ½	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	1820	186000

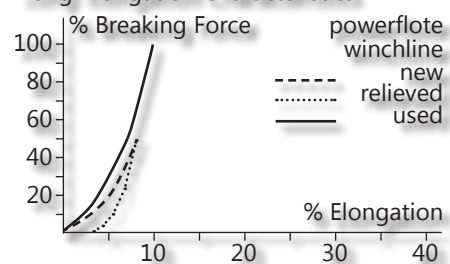
Material: High Tenacity Polyethylene
(Jacket High Tenacity Polyester/Polyethylene)
Specific Gravity: 0,93
Melting Point: 165°C
Operating Temperature: 70°C (max./continuous use)

Compact...

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



Long-Elongation Characteristics



Variations...

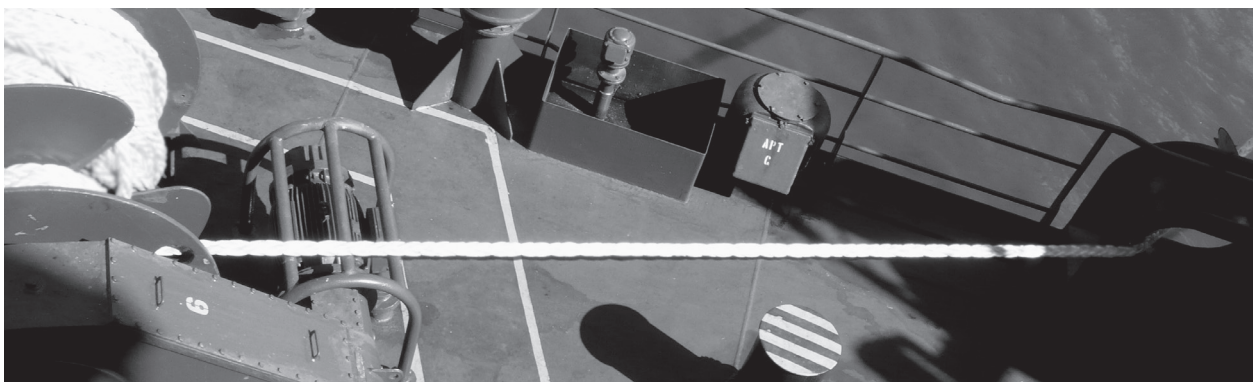
There is no standard for this, hence figures are only typical and may vary depending on application.



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



The rope weight is defined as the linear rope mass under pretension, approximate limit deviation ±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).