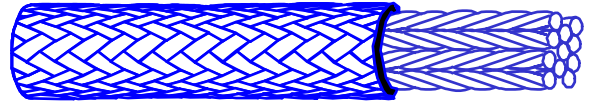


## Ultraline® Polyester

### CONSTRUCTION

Ropes of the ULTRALINE® range are of a circular braid design and they have been developed to give a rope extra protection against wear and tear without significantly changing the primary characteristics. It is a logical development from the double-braid, where the outer braid both protects the inner braid and contributes to the strength. In the circular braid design this duality has been abandoned. The cover is optimised for wear and abrasion resistance and the core(s) are optimised for strength. This results in both a higher strength and a better design life.



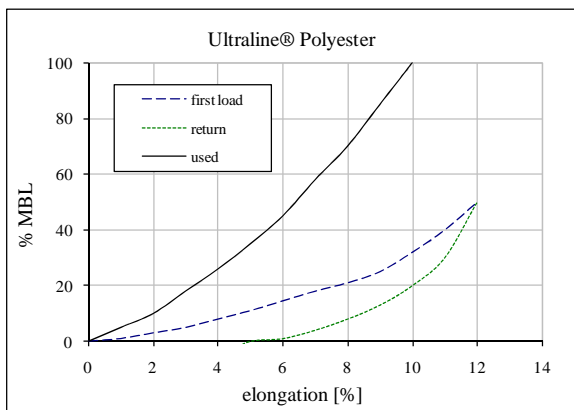
### MATERIAL PROPERTIES

Polyester is a particularly reliable fibre with mechanical properties quite close to those of nylon. The abrasion resistance of polyester is better than that of nylon and so is the tension-tension fatigue performance. Since both fibres are quite similar to polyester should generally be preferred. In favour of nylon is its lower density (1,14 vs 1,38) and higher energy absorption. Upon request a Marine Finish can be added to further improve the life of the rope.

### FEATURES

- Material: Polyester
- Construction: load-bearing cores with a protective cover of composite yarn
- Treatment: On request
- Colour of Rope: White
  
- Approx. Spec. Density 1,38 non floating
- Melting Point: 260° C
- Abrasion Resistance: Excellent
- U.V.resistance: Excellent, due to jacket
- Temperature resistance: 120° C max continuous
- Chemical resistance: Good, bases and solvents may have a mild effect
- Dry & wet conditions: Wet strength equals dry strength
  
- Range of use: ideal for shock-loading applications in towing, mooring and general

Dia	Circ.	Min Break Load		Weight	
		mm	inch	tf	kN
32	4	36,4	357	73,0	161
36	4 1/2	47,4	465	92,4	203
40	5	55,3	543	112	246
44	5 1/2	67,2	660	133	293
48	6	83,0	815	161	353
52	6 1/2	98,8	970	188	414
56	7	119	1163	222	488
60	7 1/2	134	1318	249	548
64	8	150	1473	284	626
68	8 1/2	174	1705	325	715
72	9	190	1860	353	776
76	9 1/2	205	2015	392	862
80	10	229	2248	433	953
88	11	284	2790	528	1161
96	12	332	3255	630	1386
104	13	387	3798	726	1598



Coil length: 220m  
 Spliced strength: ± 10% lower  
 Weight and length tolerance: ± 5%  
 Diameter: ± 2%

MBL = Minimum Breaking Load conform ISO 2307  
 Other sizes available upon request