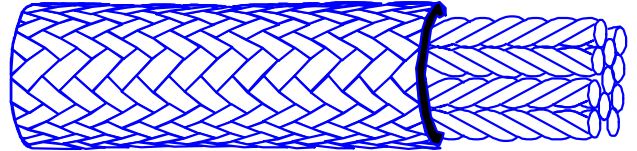


## Ultraline® Polyamide

### 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.



### MATERIAL PROPERTIES

Polyamide or Nylon was the first synthetic fibre discovered. It is available as a fibre as nylon 6 and nylon 6-6. In ropes both types are generally equally suitable. Since nylon was the first fibre discovered it is better established than polyester but the fatigue properties of polyester are better than those of nylon.

Under normal conditions of use nylon 6 is influenced water; it has a softening effect, to reduce this effect a marine finish can be applied.

### FEATURES

- Material: Polyamide (nylon)
- Construction: load-bearing cores with a protective cover of composite yarn
- Treatment: On request
- Colour of Rope: White
- Approx. Spec. Density: 1,14 non floating
- Melting Point: 215° C
- Abrasion Resistance: Excellent
- U.V.resistance: Excellent, due to jacket
- Temperature resistance: 80° C max continuous
- Chemical resistance: Reasonable; acids, oxidisers & solvents will affect the material
- Dry & wet conditions: Wet strength about 5% lower than dry strength
- Range of use: Towing, ship mooring, ideal for shock loading

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

Dia mm	Circ. inch	Min Break Load		Weight	
		tf	kN	kg/100m	kg/coil
32	4	30,7	301	64,5	142
36	4 1/2	39,8	391	80,9	178
40	5	46,5	456	98,3	216
44	5 1/2	56,5	554	117	257
48	6	69,8	684	140	308
52	6 1/2	83,0	815	164	360
56	7	99,5	977	192	423
60	7 1/2	113	1107	216	474
64	8	126	1237	247	543
68	8 1/2	146	1432	281	618
72	9	159	1562	305	671
76	9 1/2	173	1693	340	748
80	10	192	1888	375	825
88	11	239	2344	455	1002
96	12	279	2734	545	1199
104	13	325	3190	627	1380

