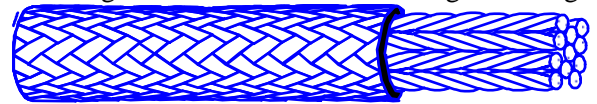


SPM BL3 (Ultraline® Polyamide)

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 or fatigue. This results in both a higher strength and a better design life than with other rope designs.



MATERIAL PROPERTIES

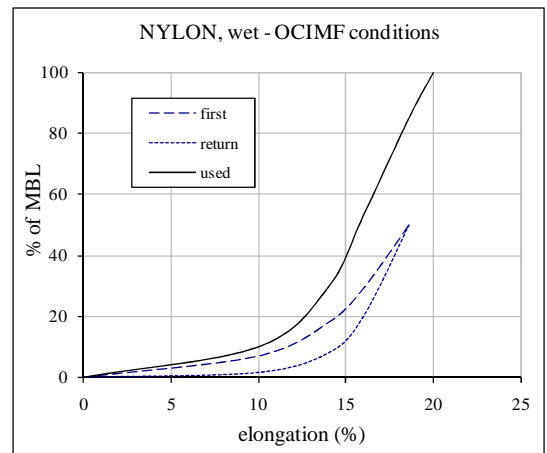
Polyamide or Nylon was the first synthetic fibre discovered. It is available as a fibre as nylon 6 and nylon 6-6. In ropes both types are generally equally suitable. Since nylon was the first fibre discovered it is better established than polyester but the fatigue properties of polyester are better than those of nylon.. Under normal conditions of use nylon 6 is influenced water; it has a softening effect. The UV resistance is acceptable.

FEATURES

- Material: Polyamide (nylon)
- Construction: load-bearing cores with a protective cover of polyamide
- Treatment: Marine finish
- Colour of Rope: White with green marker

- 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 nylon
- Dry & wet conditions: Wet strength ± 5% lower than dry strength

- Ultraline® Polyamide Hawsers are manufactured in accordance with OCIMF 2000 regulations



Break Load and length according to OCIMF :

Weight : ± 5%
Diameter: ± 2%

Dia mm	Circ "	Weight kg/100m	BL Single				BL Grommet			
			dry		wet		dry		wet	
			tf	kN	tf	kN	tf	kN	tf	kN
80	10	406	148	1451	141	1379	252	2467	239	2344
88	11	506	188	1847	179	1755	320	3140	304	2983
96	12	585	215	2111	204	2006	366	3589	348	3409
104	13	699	256	2507	243	2382	434	4262	413	4049
112	14	798	296	2903	281	2758	503	4935	478	4688
120	15	914	336	3299	319	3134	572	5608	543	5327
128	16	1031	377	3694	358	3510	640	6281	608	5967
136	17	1164	430	4222	409	4011	732	7178	695	6819
144	18	1316	484	4750	460	4513	823	8075	782	7671
152	19	1490	538	5278	511	5014	915	8972	869	8524
160	20	1624	592	5806	562	5515	1006	9869	956	9376
168	21	1785	646	6333	613	6017	1098	10767	1043	10228
176	22	1986	726	7125	690	6769	1235	12113	1173	11507
184	23	2165	780	7653	741	7270	1326	13010	1260	12359
192	24	2351	834	8181	792	7772	1418	13907	1347	13212
200	25	2554	915	8972	869	8524	1555	15253	1477	14490
208	26	2756	995	9764	946	9276	1692	16599	1607	15769
216	27	2957	1076	10556	1022	10028	1829	17944	1738	17047