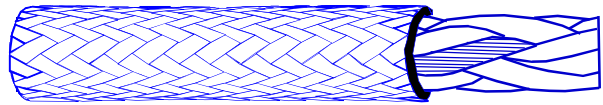


Ultraline HMPE USD 8

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.

In this design a plaited core is used. It is recommended for applications where high tensile and bending forces are combined. The rope is slightly knobby and torque balanced.

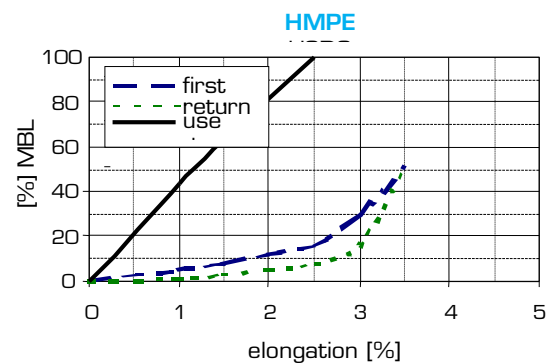
Material Properties

Polyethylene is an amorphous plastic with relatively low tensile strength. Through gel spinning the crystals achieves a maximum orientation, this give the material a high strength and stiffness. And it is commonly known as **H**igh **M**odulus **P**oly**E**thylene. It has an extremely low coefficient of friction and is extremely resistant to abrasion. The thermal properties of HMPE are comparable to ordinary Polyethylene. HPME is also prone to cold flow and therefore has a high creep rate.

Features

➤ Materials	HMPE (high modulus Polyethylene) Dyneema SK75
➤ Construction	load-bearing cores with a cover of composite yarn
➤ Treatment	On request
➤ Colour of Rope	White
➤ Approx. Spec. Density	0,975 floating
➤ Melting point	145°C
➤ Abrasion Resistance	Excellent
➤ U.V. resistance	Excellent, due to jacket
➤ Temperature resistance	70°C max continuous
➤ Chemical resistance	Excellent
➤ Dry & wet conditions	Wet strength equals dry strength
➤ Range of use	towing, salvage, mooring, installation
➤ Coil length	220m
➤ Spliced strength	± 10% lower
➤ Weight and length tolerance	± 5%
➤ Diameter	± 2%

Product code	Dia mm	Circ. inch	Min Break Load		Weight	
			tf	kN	kg/100m	kg/coil
482.022.800	22	2 3/4	38,4	376	30,1	66
482.024.800	24	3	45,5	446	34,9	77
482.026.800	26	3 1/4	53,2	522	40,0	88
482.028.800	28	3 1/2	53,7	527	44,2	97
482.030.800	30	3 3/4	60,7	595	49,1	108
482.032.800	32	4	75,1	737	58,2	128
482.036.800	36	4 1/2	97,6	957	72,9	160
482.040.800	40	5	112	1103	88	194
482.044.800	44	5 1/2	143	1398	108	237
482.048.800	48	6	173	1692	127	280
482.052.800	52	6 1/2	202	1985	146	322
482.056.800	56	7	240	2354	170	374
482.060.800	60	7 1/2	274	2688	194	426
482.064.800	64	8	306	3002	225	495
482.068.800	68	8 1/2	345	3381	253	557
482.072.800	72	9	383	3753	281	619
482.076.800	76	9 1/2	399	3911	309	679
482.080.800	80	10	436	4272	337	742
482.088.800	88	11	528	5177	408	897
482.096.800	96	12	597	5861	486	1069
482.104.800	104	13	705	6913	571	1255



MBL = **M**inimum **B**reaking **L**oad conform ISO 2307

Other sizes available upon request

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