



Acera™ Amundsen is a DNV GL type approved 12-strand high performance rope made from genuine Acera™ HMPE yarns, which is individually coated through a rotating 360° Lick-roller process.

This cumbersome single yarn coating process demonstrates the uncompromising commitment to the quality standards of Acera™.

Single yarn coating is proven to significantly enhance internal and external abrasion resistance, and extend service life and strength.

12 strand ropes are regarded as the best rope construction, and has become the most common construction for HMPE ropes. Acera™ Amundsen is the alternative to the cumbersome steel wire ropes. It is stronger and safer, with significantly less snap-back/recoil. The corresponding weight is therefore 7 times lower. When replacing conventional fiber ropes, the reduction in diameter leads to significant savings in weight (60%), space and handling. This reduces the total time required for mooring operations and fuel consumption.

SUITABLE



Fishery



Lifting



Mooring



Offshore



Towing

PRODUCT FEATURES

Construction	12-strand plaited core
Fiber	Acera HMPE
Specific gravity	0,97 (floating)
Colours	Platinum, Yellow, Blue
UV resistance	Excelent
Abbrasion resistance	Excelent
Acid resistance	Excelent
Alkali resitance	Excelent
Most chemicals resistance	Excelent
Water resistance	Excellent (0% absorption)
Heat resistance	Low (145-150 melting)
Elongation	Low (2-3% at break)

KEY BENEFITS

- Ease of handling
- Easy to splice
- Easy to inspect
- High construction stability
- Well balanced; 6 left and 6 right strands
- Outsized surface contact - better abrasion resistance
- No rotation under load
- Single yarn coating, extended service life

CERTIFICATE



diameter	MBL	MBL	MBL unspliced	MBL unspliced	diameter	MBL spliced	MBL unspliced	Weight
DIA.	spliced	spliced			DIA.			
(mm)	(t)	(kN)	(t)	(kN)	(inch)	(lbs)	(lbs)	(kg/m)
6	3.7	36	4.1	40	1/4"	8.093	8.992	0.022
8	6.3	62	7	69	5/16"	13.961	15.512	0.038
10	9.7	95	10.7	105	3/32"	21.244	23.605	0.057
12	13.8	135	15.3	150	1/2"	30.349	33.047	0.081
14	18.4	180	20.4	200	9/16"	40.466	44.962	0.108
16	23.5	230	26	255	5/8"	51.594	57.326	0.144
18	29.1	285	32.1	315	3/4"	63.733	70.815	0.179
20	34.7	340	38.7	380	13/16"	76.884	85.427	0.214
22	41.3	405	45.9	450	7/8"	91.047	101.164	0.256
24	47.9	470	53	520	1"	105.210	116.900	0.299
26	55.1	540	61.2	600	1_1/16"	121.397	134.885	0.350
28	62.7	615	69.9	685	1_1/8"	138.594	153.994	0.401
30	71.4	700	79	775	1_1/4"	156.804	174.227	0.456
32	79.5	780	88.2	865	1_5/16"	175.013	194.459	0.514
34	88.7	870	98.4	965	1_3/8"	195.246	216.940	0.575
36	98.4	965	109.1	1070	1_1/2"	216.490	240.545	0.640
38	108.1	1060	119.8	1175	1_9/16"	237.735	264.150	0.707
40	117.8	1155	131	1285	1_5/8"	259.991	288.879	0.778
44	140.2	1375	155.5	1525	1_3/4"	308.550	342.833	0.929
48	163.2	1600	181	1775	2"	359.131	399.035	1.091
52	187.6	1840	208.5	2045	2_1/8"	413.760	459.733	1.266
56	213.6	2095	237.6	2330	2_1/4"	471.423	523.804	1.453
60	241.7	2370	268.7	2635	2_1/2"	533.133	592.370	1.652
64	270.7	2655	300.8	2950	2_5/8"	596.866	663.185	1.862
68	301.3	2955	335	3285	2_3/4"	664.646	738.496	2.086
72	333.4	3270	370.7	3635	3"	735.461	817.179	2.328
76	367.1	3600	407.9	4000	3_1/8"	809.310	899.234	2.583
80	401.8	3940	446.1	4375	3_1/4"	885.183	983.537	2.851
82	419.7	4116	466.3	4573	3_3/8"	925.236	1.028.040	2.990
88	475.2	4660	528.2	5180	3_5/8"	1.048.048	1.164.498	3.425
96	554.2	5435	615.9	6040	4"	1.222.048	1.357.831	4.049
100	596	5845	662.3	6495	4_1/16"	1.314.106	1.460.118	4.380
102	617.1	6052	685.7	6724	4_1/8"	1.360.439	1.511.599	4.550
104	638.9	6265	709.7	6960	4_1/4"	1.408.188	1.564.653	4.724
108	682.7	6695	758.7	7440	4_1/2"	1.505.304	1.672.560	5.079
110	705.1	6915	783.7	7685	4_9/16"	1.554.874	1.727.638	5.262
112	728.1	7140	811	7953	4_5/8"	1.609.097	1.787.886	5.447
116	774.3	7595	860.6	8440	4_3/4"	1.707.630	1.897.367	5.828
120	822.4	8065	913.7	8960	5"	1.812.840	2.014.266	6.221