



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 DIA. (mm)	MBL spliced (t)	MBL spliced (kN)	MBL unspliced (t)	MBL unspliced (kN)	diameter DIA. (inch)	MBL spliced (lbs)	MBL unspliced (lbs)
6	3.37	33	3.74	36.7	1/4"	7.425	8.250
8	6	58.7	6.7	65.3	5/16"	13.212	14.680
10	9.4	92	10.4	102	13/32"	20.637	22.930
12	13.5	132	15	147	1/2"	29.742	33.047
14	18.4	180	20.4	200	9/16"	40.466	44.962
16	24	235	26.5	260	5/8"	52.605	58.450
18	28.9	283	31.6	310	3/4"	62.722	69.691
20	34.7	340	38.7	380	13/16"	76.884	85.427
22	40.8	400	45.9	450	7/8"	91.047	101.164
24	47.9	470	53	520	1"	105.210	116.900
26	55.1	540	61.2	600	1,1/16"	121.397	134.885
28	62.2	610	69.3	680	1,1/8"	137.583	152.870
30	70.4	690	78.5	770	1,1/4"	155.792	173.102
32	79.5	780	88.7	870	1,5/16"	176.025	195.583
34	87.7	860	97.9	960	1,3/8"	194.234	215.816
36	95.9	940	106	1040	1,1/2"	210.421	233.801
38	106	1040	118.3	1160	1,9/16"	234.700	260.778
40	115.2	1130	128.5	1260	1,5/8"	254.933	283.259
44	133.6	1310	148.9	1460	1,3/4"	295.398	328.220
48	156	1530	173.4	1700	2"	343.957	382.174
52	180.5	1770	200.9	1970	2,1/8"	398.585	442.873
56	207	2030	230.5	2260	2,1/4"	457.260	508.067
60	232.5	2280	258	2530	2,1/2"	511.889	568.765
64	261	2560	289.6	2840	2,5/8"	574.610	638.456
68	290.6	2850	323.2	3170	2,3/4"	641.378	712.643
72	323.2	3170	358.9	3520	3"	712.193	791.326
76	356.9	3500	396.7	3890	3,1/8"	787.054	874.505
80	394.6	3870	438.5	4300	3,1/4"	870.009	966.676
82	417	4087	463	4541	3,3/8"	918.762	1.020.846
88	477.2	4680	530.2	5200	3,5/8"	1.052.094	1.169.994
96	567	5560	630.2	6180	4"	1.250.374	1.389.304
100	604.4	5927	671.5	6586	4,1/16"	1.332.518	1.480.576
102	627	6152	697	6836	4,1/8"	1.383.100	1.536.778
104	650.7	6382	723	7091	4,1/4"	1.434.693	1.594.103
108	698.9	6854	776.6	7616	4,1/2"	1.540.914	1.712.126
110	723	7097	804	7885	4,9/16"	1.595.339	1.772.599
112	748	7342	832	8158	4,5/8"	1.650.574	1.833.971
116	800	7848	889	8720	4,3/4"	1.764.283	1.960.315
120	853.5	8370	948.3	9300	5"	1.881.632	2.090.702