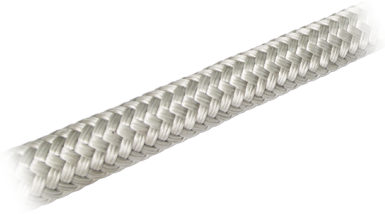
ACERA daGama

12-strand HMPE rope with cover



Acera™ daGama is constructed with a 12-strand core, with a tight 24 or 32 braided cover. The 3-step coating process ensures an outstanding resistance to particle ingress. It also protects against internal and external abrasion and prevents the core and cover from moving independently.

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.

The outer cover of the rope together with the inner sand filter helps to significantly reduce the negative impact of UV radiation on the rope and also increases the resistance to abrasion from the outside as well as from the inside.

SUITABLE

- Fishery
- Lifting
- Mooring
- Offshore
- Towing

PRODUCT FEATURES

Construction	12-strand plaited core 24 or 32 braided cover
Fiber	Acera HMPE
Specific gravity	ACERA cover 0,973 (floating) PES cover 1,15 (sinking)
Colours	Platinum
UV resistance	Excelent
Abbrasion resistance	Excelent
Acid resistance	Excelent
Alkali resitance	Excelent
Most chemicals resistance	Excelent
Water resistance	Excellent (0% absorption)
Elongation	Low (2-3% at break)
Colours polyester cover	White
Colours Acera cover	Platinum, Yellow

KEY BENEFITS

- Resistant to external damage and particle ingress
- Single yarn coating - high abrasion resistance
- Ease of handling
- High construction stability
- Well balanced; 6 left and 6 right strands
- No rotation under load
- Optional HT polyester cover available

CERTIFICATE

TYPE APPROVED PRODUCT DNV DNV.COM/AF

by Wilhelmsen WORKS CERTIFICATE

diameter Nominal (mm)	MBL spliced * (t)	MBL spliced * (kN)	MBL unspliced (t)	MBL unspliced (kN)	diameter DIA. (inch)	MBL _spliced * (lbs)	MBL _unspliced (lbs)	Weight (kg/m)
6	3.7	36	4.1	40	1/4"	8.093	8.992	0.055
8	6.3	62	7	69	5/16"	13.961	15.512	0.085
10	9.7	95	10.7	105	13/32"	21.244	23.605	0.117
12	13.8	135	15.3	150	1/2"	30.349	33.721	0.156
14	18.4	180	20.4	200	9/16"	40.466	44.962	0.197
16	23.5	230	26	255	5/8"	51.594	57.326	0.236
18	29.1	285	32.1	315	3/4"	63.733	70.815	0.314
20	34.7	340	38.7	380	13/16"	76.884	85.427	0.370
22	41.3	405	45.9	450	7/8"	91.047	101.164	0.435
24	47.9	470	53	520	1"	105.210	116.900	0.502
26	55.1	540	61.2	600	1_1/16"	121.397	134.885	0.577
28	62.7	615	69.9	685	1_1/8"	138.594	153.994	0.653
30	71.4	700	79	775	1_1/4"	156.804	174.227	0.733
32	79.5	780	88.2	865	1_5/16"	175.013	194.459	0.817
34	88.7	870	98.4	965	1_3/8"	195.246	216.940	0.905
36	98.4	965	109.1	1070	1_1/2"	216.490	240.545	0.997
38	108.1	1060	119.8	1175	1_9/16"	237.735	264.150	1.092
40	117.8	1155	131	1285	1_5/8"	259.991	288.879	1.198
44	140.2	1375	155.5	1525	1_3/4"	308.550	342.833	1.420
48	163.2	1600	181	1775	2"	359.131	399.035	1.656
52	187.6	1840	208.5	2045	2_1/8"	413.760	459.733	1.909
56	213.6	2095	237.6	2330	2_1/4"	471.423	523.804	2.177
60	241.7	2370	268.7	2635	2_1/2"	533.133	592.370	2.462
64	270.7	2655	300.8	2950	2_5/8"	596.866	663.185	2.760
68	301.3	2955	335	3285	2_3/4"	664.646	738.496	3.106
72	333.4	3270	370.7	3635	3"	735.461	817.179	3.446
76	367.1	3600	407.9	4000	3_1/8"	809.310	899.234	3.803
80	401.8	3940	446.1	4375	3_1/4"	885.183	983.537	4.175
82	419.7	4116	466.3	4573	3_3/8"	925.236	1.028.040	4.368
88	475.2	4660	528.2	5180	3_5/8"	1.048.048	1.164.498	4.969
92	514.3	5044	571.5	5604	3_3/4	1.133.834	1.259.816	5.389
96	554.2	5435	615.9	6040	4"	1.222.048	1.357.831	5.825
100	596	5845	662.3	6495	4_1/16"	1.314.106	1.460.118	6.277
102	617.1	6052	685.7	6724	4_1/8"	1.360.439	1.511.599	6.508
104	638.9	6265	709.7	6960	4_1/4"	1.408.188	1.564.653	6.745
108	682.7	6695	758.7	7440	4_1/2"	1.505.304	1.672.560	7.227
110	705.1	6915	783.7	7685	4_9/16"	1.554.874	1.727.638	7.474
112	728.1	7140	811	7953	4_5/8"	1.609.097	1.787.886	7.725
116	774.3	7595	860.6	8440	4_3/4"	1.707.630	1.897.367	8.238
120	822.4	8065	913.7	8960	5"	1.812.840	2.014.266	8.767

* MBL guaranteed only for ropes spliced by TIMM ROPES