

# AmSteel®-Blue

PRODUCT CODE: 872



*AmSteel®-Blue is a torque-free 12-strand braid that, size-for-size, is as strong as steel but outlasts wire 3:1, making it an excellent wire rope replacement. At only 1/7th the weight of wire, it is a safe and efficient solution for all marine applications where wire is traditionally used. The combination of Dyneema® fiber and Samthane coating provide abrasion and tension fatigue resistance for superior wear. AmSteel®-Blue is easily spliced and inspected. AmSteel®-Blue is recommended for split-drum winch applications. It is not recommended for use on H-bitts, capstans, or cleats if surging or rendering the rope is required.*

## APPLICATIONS

- > General Working Line
- > Primary Mooring Line

## FEATURES AND BENEFITS

- > Easy to inspect
- > Floats
- > Maximum strength-to-weight ratio
- > Similar elastic elongation to wire rope
- > Abrasion resistant
- > Excellent wear characteristics
- > High strength
- > Wire rope replacement
- > Flexible
- > Highly flex-fatigue resistant
- > Samthane coated
- > Torque-free construction
- > Easy to splice
- > Extremely low stretch
- > Lightweight

## SPECIFICATIONS

FIBER: HMPE

SPECIFIC GRAVITY: 0.98

SPLICE/CLASS: 12-Strand Class II

### ELASTIC ELONGATION PERCENTAGE:

At % of break strength  
 10%.....0.46%  
 20%.....0.70%  
 30%.....0.96%



**COLOR:** Blue, some sizes also available by special order in black, gray, green, orange, red, or yellow

DIAM. (inch)	CIRC. (inch)	WEIGHT PER 100 FT. (lbs)	AVG. STRENGTH (lbs)	MIN. STRENGTH (lbs)	DIAM. (mm)	CIRC. (mm)	WEIGHT PER 100 M (kg)	AVG. STRENGTH (kg)	MIN. STRENGTH (kg)	ISO 2307 STRENGTH (metric tons)
7/64"	5/16"	0.30	1,600	1,400	2.5	7.5	0.45	730	650	0.72576
1/8"	3/8"	0.50	2,500	2,300	3	9	0.74	1,100	1,000	1.134
5/32"	15/32"	0.75	4,000	3,600	4	12	1.1	1,800	1,600	1.8144
3/16"	9/16"	1.0	5,400	4,900	5	15	1.5	2,400	2,200	2.44944
1/4"	3/4"	1.6	8,600	7,700	6	18	2.4	3,900	3,500	3.90096
5/16"	1"	2.7	13,700	12,300	8	24	4.0	6,200	5,600	6.21432
3/8"	1 1/8"	3.4	19,600	17,600	9	27	5.1	8,900	8,000	8.89056
7/16"	1 1/4"	4.5	23,900	21,500	11	33	6.7	10,800	9,800	10.84104

*Size 7/64" (2.5 mm) changes from 12-strand to 8-strand construction. ISO strength specifications are for unspliced rope. All other strength specifications are for spliced rope.*



**samson**  
 THE STRONGEST NAME IN ROPE

# PRODUCT CODE: 872

CONTINUED...



DIAM. (inch)	CIRC. (inch)	WEIGHT PER 100 FT. (lbs)	AVG. STRENGTH (lbs)	MIN. STRENGTH (lbs)	DIAM. (mm)	CIRC. (mm)	WEIGHT PER 100 M (kg)	AVG. STRENGTH (kg)	MIN. STRENGTH (kg)	ISO 2307 STRENGTH (metric tons)
1/2"	1 1/2"	5.9	34,000	30,600	12	36	8.8	15,400	13,900	15.4224
9/16"	1 3/4"	7.9	40,500	36,500	14	42	11.8	18,400	16,500	18.3708
5/8"	2"	10.2	52,800	47,500	16	48	15.2	24,000	21,600	23.95008
3/4"	2 1/4"	13.3	64,400	58,000	18	54	19.8	29,200	26,300	29.21184
13/16"	2 1/2"	17.0	82,000	73,800	20	60	25.3	37,200	33,500	37.1952
7/8"	2 3/4"	19.6	90,800	81,700	22	66	29.2	41,200	37,100	41.18688
1"	3"	21.8	109,000	98,100	24	72	32.4	49,400	44,500	49.4424
1 1/16"	3 1/4"	27.5	134,000	121,000	26	78	40.9	60,800	54,700	60.7824
1 1/8"	3 1/2"	31.9	148,000	133,000	28	84	47.5	67,100	60,400	67.1328
1 1/4"	3 3/4"	36.2	165,000	149,000	30	90	53.9	74,800	67,400	74.844
1 5/16"	4"	41.8	185,000	167,000	32	96	62.2	84,000	75,600	84.00672
1 3/8"	4 1/8"	45.0	205,000	185,000	34	100	67.0	93,000	83,700	92.988
1 1/2"	4 1/2"	51.7	228,000	205,000	36	108	76.9	103,000	93,100	103.4208
1 9/16"	4 3/4"	57.6	254,000	229,000	38	114	85.7	115,000	104,000	115.2144
1 5/8"	5"	65.2	283,000	255,000	40	120	97.0	128,000	116,000	128.3688
1 11/16"	5 1/4"	71.0	307,000	276,000	42	126	106	139,000	125,000	139.2552
1 3/4"	5 1/2"	78.4	335,000	302,000	44	132	117	152,000	137,000	151.956
2"	6"	86.4	392,000	353,000	48	144	129	178,000	160,000	177.8112
2 1/16"	6 1/4"	95.0	418,000	376,000	50	150	141	190,000	171,000	189.6048
2 1/8"	6 1/2"	109	457,000	411,000	52	156	162	207,000	187,000	207.2952
2 1/4"	7"	116	537,000	483,000	56	168	173	244,000	219,000	243.5832
2 1/2"	7 1/2"	148	588,000	529,000	60	180	220	267,000	240,000	266.7168
2 5/8"	8"	167	662,000	596,000	64	192	248	300,000	270,000	300.2832
2 3/4"	8 1/2"	187	735,000	662,000	68	204	278	333,000	300,000	333.396
3"	9"	206	832,000	749,000	72	216	307	377,000	340,000	377.3952
3 1/8"	9 1/2"	228	920,000	828,000	76	228	339	417,000	376,000	417.312
3 1/4"	10"	240	1,007,000	906,000	80	240	357	457,000	411,000	456.7752
3 3/8"	10 1/8"	265	1,120,000	1,008,000	82	246	394	508,000	457,000	508.032
3 1/2"	10 1/2"	295	1,170,000	1,053,000	86	254	439	531,000	478,000	530.712
3 5/8"	11"	340	1,459,000	1,313,000	88	264	506	662,000	596,000	661.8024
3 3/4"	11 1/4"	362	1,627,000	1,464,000	92	272	539	738,000	664,000	738.0072
4"	12"	399	1,819,000	1,637,000	96	288	594	825,000	743,000	825.0984
4 1/4"	13"	452	2,029,000	1,826,000	104	312	673	920,000	828,000	920.3544
4 1/2"	13 1/2"	504	2,246,000	2,021,000	110	328	750	1,019,000	917,000	1018.7856
4 5/8"	14"	551	2,462,000	2,216,000	112	336	820	1,117,000	1,005,000	1116.7632
5"	15"	609	2,690,000	2,421,000	120	360	906	1,220,000	1,098,000	1220.184
5 1/4"	16"	667	2,930,000	2,637,000	128	384	992	1,329,000	1,196,000	1329.048
5 1/2"	16 1/2"	730	3,183,000	2,865,000	134	400	1086	1,444,000	1,299,000	1443.8088
5 3/4"	17 1/4"	793	3,443,000	3,099,000	146	438	1180	1,562,000	1,406,000	1561.7448
6"	18"	819	3,568,000	3,211,000	152	456	1219	1,618,000	1,457,000	1618.4448
6 1/8"	18 1/2"	861	3,705,000	3,335,000	156	468	1281	1,681,000	1,513,000	1680.588
6 1/4"	19"	924	3,979,000	3,581,000	158	474	1375	1,805,000	1,624,000	1804.8744
6 1/2"	19 1/2"	998	4,264,000	3,838,000	164	492	1485	1,934,000	1,741,000	1934.1504
6 5/8"	20"	1029	4,410,000	3,969,000	168	504	1531	2,000,000	1,800,000	2000.376

Size 7/64" (2.5 mm) changes from 12-strand to 8-strand construction. ISO strength specifications are for unspliced rope. All other strength specifications are for spliced rope.

