

# AmSteel®-Blue

PRODUCT CODE: 872



*AmSteel®-Blue is a torque-free, 12-strand single braid that yields the maximum in strength-to-weight ratio and, size-for-size, is the same strength as steel—yet it floats. AmSteel®Blue is an excellent wire rope replacement with extremely low stretch, and superior flex fatigue and wear resistance.*

## APPLICATIONS

- > Pulling / Stringing Line
- > Winch Line

## FEATURES AND BENEFITS

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



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

## 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%

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	0.73
1/8"	3/8"	0.50	2,500	2,300	3	9	0.74	1,100	1,000	1.1
5/32"	15/32"	0.75	4,000	3,600	4	12	1.1	1,800	1,600	1.8
3/16"	9/16"	1.0	5,400	4,900	5	15	1.5	2,400	2,200	2.4
1/4"	3/4"	1.6	8,600	7,700	6	18	2.4	3,900	3,500	3.9
5/16"	1"	2.7	13,700	12,300	8	24	4.0	6,200	5,600	6.2
3/8"	1 1/8"	3.4	19,600	17,600	9	27	5.1	8,900	8,000	8.9
7/16"	1 1/4"	4.5	23,900	21,500	11	33	6.7	10,800	9,800	10.8
1/2"	1 1/2"	5.9	34,000	30,600	12	36	8.8	15,400	13,900	15.4
9/16"	1 3/4"	7.9	40,500	36,500	14	42	11.8	18,400	16,500	18.4
5/8"	2"	10.2	52,800	47,500	16	48	15.2	24,000	21,600	24
3/4"	2 1/4"	13.3	64,400	58,000	18	54	19.8	29,200	26,300	29.2
13/16"	2 1/2"	17.0	82,000	73,800	20	60	25.3	37,200	33,500	37.2
7/8"	2 3/4"	19.6	90,800	81,700	22	66	29.2	41,200	37,100	41.2
1"	3"	21.8	109,000	98,100	24	72	32.4	49,400	44,500	49.4
1 1/16"	3 1/4"	27.5	134,000	121,000	26	78	40.9	60,800	54,700	60.8

*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

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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 1/8"	3 1/2"	31.9	148,000	133,000	28	84	47.5	67,100	60,400	67.1
1 1/4"	3 3/4"	36.2	165,000	149,000	30	90	53.9	74,800	67,400	74.8
1 5/16"	4"	41.8	185,000	167,000	32	96	62.2	84,000	75,600	84
1 3/8"	4 1/8"	45.0	205,000	185,000	34	100	67.0	93,000	83,700	93
1 1/2"	4 1/2"	51.7	228,000	205,000	36	108	76.9	103,000	93,100	103
1 9/16"	4 3/4"	57.6	254,000	229,000	38	114	85.7	115,000	104,000	115
1 5/8"	5"	65.2	283,000	255,000	40	120	97.0	128,000	116,000	128
1 11/16"	5 1/4"	71.0	307,000	276,000	42	126	106	139,000	125,000	139
1 3/4"	5 1/2"	78.4	335,000	302,000	44	132	117	152,000	137,000	152
2"	6"	87.0	381,000	343,000	48	144	129	173,000	156,000	173
2 1/16"	6 1/4"	95.0	418,000	376,000	50	150	141	190,000	171,000	190
2 1/8"	6 1/2"	109	457,000	411,000	52	156	162	207,000	187,000	207
2 1/4"	7"	116	537,000	483,000	56	168	173	244,000	219,000	244
2 1/2"	7 1/2"	148	588,000	529,000	60	180	220	267,000	240,000	267
2 5/8"	8"	167	662,000	596,000	64	192	248	300,000	270,000	300
2 3/4"	8 1/2"	187	735,000	662,000	68	204	278	333,000	300,000	333
3"	9"	206	832,000	749,000	72	216	307	377,000	340,000	377
3 1/8"	9 1/2"	228	920,000	828,000	76	228	339	417,000	376,000	417
3 1/4"	10"	240	1,007,000	906,000	80	240	357	457,000	411,000	457
3 3/8"	10 1/8"	265	1,120,000	1,008,000	82	246	394	508,000	457,000	508
3 1/2"	10 1/2"	295	1,170,000	1,053,000	86	254	439	531,000	478,000	531
3 5/8"	11"	340	1,459,000	1,313,000	88	264	506	662,000	596,000	662
3 3/4"	11 1/4"	362	1,627,000	1,464,000	92	272	539	738,000	664,000	738
4"	12"	399	1,819,000	1,637,000	96	288	594	825,000	743,000	825
4 1/4"	13"	452	2,029,000	1,826,000	104	312	673	920,000	828,000	920
4 1/2"	13 1/2"	504	2,246,000	2,021,000	110	328	750	1,019,000	917,000	1019
4 5/8"	14"	551	2,462,000	2,216,000	112	336	820	1,117,000	1,005,000	1117
5"	15"	609	2,690,000	2,421,000	120	360	906	1,220,000	1,098,000	1220
5 1/4"	16"	667	2,930,000	2,637,000	128	384	992	1,329,000	1,196,000	1329
5 1/2"	16 1/2"	730	3,183,000	2,865,000	134	400	1086	1,444,000	1,299,000	1444
5 3/4"	17 1/4"	793	3,443,000	3,099,000	146	438	1180	1,562,000	1,406,000	1562
6"	18"	819	3,568,000	3,211,000	152	456	1219	1,618,000	1,457,000	1618
6 1/8"	18 1/2"	861	3,705,000	3,335,000	156	468	1281	1,681,000	1,513,000	1681
6 1/4"	19"	924	3,979,000	3,581,000	158	474	1375	1,805,000	1,624,000	1805
6 1/2"	19 1/2"	998	4,264,000	3,838,000	164	492	1485	1,934,000	1,741,000	1934
6 5/8"	20"	1029	4,410,000	3,969,000	168	504	1531	2,000,000	1,800,000	2000

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