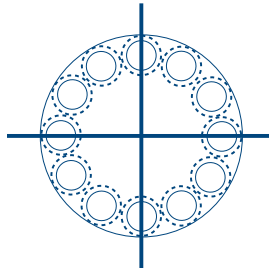


AmSteel®-Blue

Increase the efficiency of your operations with easily inspected and repaired high performance synthetic rope and slings.



Description

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.

Product Code:
872

Fiber (Core/Cover):
Dyneema®

Specific Gravity:
0.98 (floats)

Splice:
12 - Strand Class II

Manufacturer:
Samson Rope Technologies, Inc.

Features

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

Applications

- Camera Control Line
- Chipper Winch Line
- Control Line
- Davit
- Face and Wing Wire
- First Ashore / Emergency Tow System
- General Working Line / Vessel Mooring
- Gilson Wire Rope Replacement
- Halyard
- Lifeline
- Lifting Sling for Mining
- Lifting Sling for Offshore
- Lifting Sling for Utility
- Other Fishing Line
- Primary Mooring Line / Non-jacketed
- Pulling and Stringing Line
- Reef Line
- Running Back
- Shield Hauler
- Stage, Event, and Special Effects Rigging
- Synthetic Extension Pendant
- Tow System
- Trapeze Line
- Trawl or Bridle Line
- Tug Mainline
- Tug Messenger Line
- Tug Pendant
- Vehicle Winch Line
- Winch Line / Mining
- Winch Line / Offshore
- Winch Line / Safety
- Winch Line / Tug
- Winch Line / Utility
- Working Line / Mining
- Working Line / Offshore



AmSteel®-Blue

Specifications

Diameter (in)	Circum. (in)	Weight per 100 ft. (lbs)	Average Strength (lbs)	Minimum Strength (lbs)	Diameter (mm)	Circum. (mm)	Weight per 100M	Average Strength (kg)	Minimum Strength (kg)	ISO 2307 Strength (mt)
7/64	5/16	0.3	1,600	1,400	2.5	75	0.45	730	650	0.73
1/8	3/8	0.5	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	24.0
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
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	93.0
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

MATERIALS | AMSTEEL®-BLUE

MATERIALS



AmSteel®-Blue

Specifications (Continued)

Diameter (in)	Circum. (in)	Weight per 100 ft. (lbs)	Average Strength (lbs)	Minimum Strength (lbs)	Diameter (mm)	Circum (mm)	Weight per 100M	Average Strength (kg)	Minimum Strength (kg)	ISO 2307 Strength (mt)
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	1,019
4-5/8	14	551	2,462,000	2,216,000	112	336	820	1,117,000	1,005,000	1,117
5	15	609	2,690,000	2,421,000	120	360	906	1,220,000	1,098,000	1,220
5-1/4	16	667	2,930,000	2,637,000	128	384	992	1,329,000	1,196,000	1,329
5-1/2	16-1/2	730	3,183,000	2,865,000	134	400	1,086	1,444,000	1,299,000	1,444
5-3/4	17-1/4	793	3,443,000	3,099,000	146	438	1,180	1,562,000	1,406,000	1,562
6	18	819	3,568,000	3,211,000	152	456	1,219	1,618,000	1,457,000	1,618
6-1/8	18-1/2	861	3,705,000	3,335,000	156	468	1,281	1,681,000	1,513,000	1,681
6-1/4	19	924	3,979,000	3,581,000	158	474	1,375	1,805,000	1,624,000	1,805
6-1/2	19-1/2	998	4,264,000	3,838,000	164	492	1,485	1,934,000	1,741,000	1,934
6-5/8	20	1,029	4,410,000	3,369,000	168	504	1,531	2,000,000	1,800,000	2,000

* ISO strength specifications are for unspliced rope. All other strength specifications are for spliced rope.

Size 7/64" (2.5 mm) changes from 12-strand to 8-strand construction.

