

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): HMPE

Specific Gravity: 0.98

Splice: 12-Strand Class II

Applications:

- Dock/Anchor Line
- Trawl or Bridle Line
- Gilson Wire Rope Replacement
- General Working Line
- Primary Mooring Line
- Face and Wing Wire
- Lifting Slings
- Vehicle Winch Line
- Winch Line
- Tow Recovery
- Pulling / Stringing Line
- Stage, Event, and Special Effects Rigging
- Camera Control Line
- Other Fishing Line
- Crane/Truck Hoist Rope
- Conveyor Belt Pulling Line
- Mooring and Towing Lines
- Longwall Shield Haulers
- Club Racer
- Maximum-Performance Racing
- Wire Replacement
- Air
- Land
- Sea
- Winch Mainline
- Pendant

Features & Benefits:

- 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
- Wire rope replacement



Specifications

Diam. (in)	Circ. (in)	Weight Per 100 Ft. (lbs)	Avg Strength (lbs)	Min. Strength (lbs)
7/64	5/16	0.3	1,600	1,400
1/8	3/8	0.5	2,500	2,300
5/32	15/32	.75	4,000	3,600
3/16	9/16	1	5,400	4,900
1/4	3/4	1.6	8,600	7,700
5/16	1	2.7	13,700	12,300
3/8	1 1/8	3.4	19,600	17,600
7/16	1 1/4	4.5	23,900	21,500
1/2	1 1/2	5.9	34,000	30,600
9/16	1 3/4	7.9	40,500	36,500
5/8	2	10.2	52,800	47,500
3/4	2 1/4	13.3	64,400	58,000
13/16	2 1/2	17	82,000	73,800
7/8	2 3/4	19.6	90,800	81,700
1	3	21.8	109,000	98,100
1 1/32	3 1/8	26	125,000	113,000
1 1/16	3 1/4	27.5	134,000	121,000
1 1/8	3 1/2	31.9	148,000	133,000
1 1/14	3 3/4	36.2	165,000	149,000
1 5/16	4	41.8	185,000	167,000
1 3/8	4 1/8	45	205,000	185,000
1 1/2	4 1/2	51.7	228,000	205,000
1 9/16	4 3/4	57.6	254,000	229,000
1 5/8	5	65.2	283,000	255,000
1 11/16	5 1/4	71	307,000	276,000
1 3/4	5 1/2	78.4	335,000	302,000
2	6	86.4	392,000	353,000
2 1/16	6 1/4	95	418,000	376,000
2 1/8	6 1/2	109	457,000	411,000
2 1/4	7	116	537,000	483,000
2 1/2	7 1/2	148	588,000	529,000
2 5/8	8	167	662,000	596,000
2 3/4	8 1/2	187	735,000	662,000
3	9	206	832,000	749,000
3 1/8	9 1/2	228	920,000	828,000
3 1/4	10	240	1,007,000	906,000
3 3/8	10 1/8	265	1,120,000	1,008,000
3 1/2	10 1/2	295	1,170,000	1,053,000

Diam. (in)	Circ. (in)	Weight Per 100 Ft. (lbs)	Avg Strength (lbs)	Min. Strength (lbs)
3 5/8	11	340	1,459,000	1,313,000
3 3/4	11 1/4	362	1,627,000	1,464,000
4	12	399	1,819,000	1,637,000
4 1/4	13	452	2,029,000	1,826,000
4 1/2	13 1/2	504	2,246,000	2,021,000
4 5/8	14	551	2,462,000	2,216,000
5	15	609	2,690,000	2,421,000
5 1/4	16	667	2,930,000	2,637,000
5 1/2	16 1/2	730	3,183,000	2,865,000
5 3/4	17 1/4	793	3,443,000	3,099,000
6	18	819	3,568,000	3,211,000
6 1/8	18 1/2	861	3,705,000	3,335,000
6 1/4	19	924	3,979,000	3,581,000
6 1/2	19 1/2	998	4,264,000	3,838,000
6 5/8	20	1,029	4,410,000	3,969,000

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

FABRICATING DISTRIBUTOR

Quantum-12 is a lightweight, high-strength, floating rope that can grip on a capstan or H-bitt. The patented DPXTM fiber technology provides superior abrasion and cut resistance, but with a higher coefficient of friction than other high modulus polyethylene ropes. The 12-strand construction provides added flexibility, improved handling, and easy splicing. The vivid green Samthane coating provides excellent visibility and additional abrasion resistance.

Product Code: 873

Fiber (Core/cover): HMPE - Polyester Blend

Specific Gravity: 0.99

Splice: 12-Strand Class II

Applications:

- Other Fishing Line
- General Working Line
- Barge Tie-Up Line
- Lifting Slings
- Secondary Mooring Lines / H-Bitt / Capstan Mooring / Soft Lines
- Primary Mooring Line
- Land
- Sea
- Winch Mainline
- H-bitt / Capstan Line

Features & Benefits:

- Easy to handle
- Easy to inspect
- Easy to splice
- Excellent abrasion resistance
- Excellent grip
- Flexible
- Floats
- High coefficient of friction
- High strength
- Lightweight
- Samthane coated
- Wire rope replacement



SAMSON
THE STRONGEST NAME IN ROPE

FABRICATING DISTRIBUTOR

Specifications

Diam. (in)	Circ. (in)	Weight Per 100 Ft. (lbs)	Avg Strength (lbs)	Min. Strength (lbs)
3/4	2 1/4	11.8	45,300	40,800
7/8	2 3/4	15.2	62,500	56,300
1	3	21	82,500	74,300
1 1/8	3 1/2	25.5	105,000	94,500
1 1/4	3 3/4	31	131,000	118,000
1 5/16	4	33	146,000	131,000
1 3/8	4 1/8	37.5	162,000	146,000
1 1/2	4 1/2	44.7	191,000	172,000
1 5/8	5	50	226,000	203,000
1 3/4	5 1/2	60.8	265,000	239,000
2	6	79.4	349,000	314,000
2 1/8	6 1/2	89.6	397,000	357,000
2 1/4	7	100	448,000	403,000
2 3/8	7 1/8	112	503,000	453,000
2 1/2	7 1/2	125	562,000	506,000
2 5/8	8	138	625,000	563,000
2 3/4	8 1/2	155	682,000	614,000
3	9	179	807,000	726,000
3 1/4	10	213	943,000	849,000
3 5/8	11	266	1,167,000	1,050,000
4	12	324	1,413,000	1,272,000
4 1/4	13	366	1,587,000	1,428,000
4 5/8	14	447	1,869,000	1,682,000
5	15	523	2,173,000	1,956,000
5 1/4	16	577	2,376,000	2,138,000
5 1/2	16 1/2	634	2,573,000	2,316,000
5 5/8	17	656	2,691,000	2,422,000
6	18	755	3,003,000	2,703,000
6 1/4	19	820	3,204,000	2,884,000
6 5/8	20	922	3,579,000	3,221,000

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

In this fast splicing, 12-strand single braid construction, high-strength Ultra Blue fiber creates a rope that is 30-35% higher in strength than the equivalent polypropylene construction, giving **Quik-Splice** up to three times more wear life than polypropylene.

Product Code: 335

Fiber (Core/cover): Polyolefin

Specific Gravity: 0.94

Splice: 12-Strand Class I

Applications:

- Purse Seine Line
- Other Fishing Line
- Hand Line
- Block Line
- Accessory Product

Features & Benefits:

- 30-35% stronger than standard polypropylene
- Abrasion resistant, especially in wet environments
- Easy to splice
- UV stabilized
- Water resistant



Specifications

Diam. (in)	Circ. (in)	Weight Per 100 Ft. (lbs)	Avg Strength (lbs)	Min. Strength (lbs)
1/4	3/4	1.1	1,400	1,300
5/16	1	1.7	2,500	2,300
3/8	1 1/8	2.7	3,500	3,200
7/16	1 1/4	3.5	4,600	4,100
1/2	1 1/2	4.9	6,700	6,000
9/16	1 3/4	6	7,500	6,800
5/8	2	8	10,900	9,800
3/4	2 1/4	9.9	13,000	11,700
7/8	2 3/4	15.2	16,000	14,400
1	3	21	23,100	20,800
1 1/8	3 1/2	24.5	28,600	25,700
1 1/4	3 3/4	29	31,300	28,200
1 1/2	4 1/2	41	43,800	39,400
1 5/8	5	51.1	55,000	49,500
1 3/4	5 1/2	60	63,800	57,400
2	6	70	76,300	68,700
2 1/8	6 1/2	84	88,800	79,900
2 1/4	7	98	102,000	91,800
2 1/2	7 1/2	114	113,000	102,000

Sizes 7/16" (11 mm) and below change from 12-strand to 8-strand or 16-strand construction. Specifications are for spliced strengths.



SAMSON
THE STRONGEST NAME IN ROPE

FABRICATING DISTRIBUTOR

Super Strong is a firm but flexible double braid of high-tenacity nylon fiber treated with Pro-Gard marine finish, which maximizes wet wear life and strength.

Product Code: 472

Fiber (Core/Cover): Nylon / Nylon

Specific Gravity: 1.14

Splice: Double Braid Class I

Applications:

- General Working Line
- Mooring Tails
- Secondary Mooring Lines / H-Bitt / Capstan Mooring / Soft Lines
- Stretcher
- Other Fishing Line
- Dock/Anchor Line
- Handy Line
- Land
- Sea

Features & Benefits:

- Durable
- Excellent shock mitigation
- Firm construction
- Pro-Gard Marine Finish
- Remains flexible with use
- Shrink resistant



Specifications

Diam. (in)	Circ. (in)	Weight Per 100 Ft. (lbs)	Avg Strength (lbs)	Min. Strength (lbs)
1/4	3/4	1.8	2,200	1,900
5/16	1	2.6	3,400	2,900
3/8	1 1/8	3.8	4,700	4,000
7/16	1 1/4	5.1	6,600	5,600
1/2	1 1/2	6.6	8,600	7,300
9/16	1 3/4	9.3	11,900	10,100
5/8	2	12	15,200	12,900
3/4	2 1/4	15	18,800	16,000
7/8	2 3/4	22	29,000	24,700
1	3	26	36,000	30,600
1 1/16	3 1/4	31	40,700	34,600
1 1/8	3 1/2	36	45,000	38,300
1 1/4	3 3/4	41	52,000	44,200
1 5/16	4	43.5	59,300	50,400
1 1/2	4 1/2	60	75,600	64,300
1 5/8	5	74	92,000	78,200
1 3/4	5 1/2	89	113,000	96,300
2	6	106	131,000	111,000
2 1/8	6 1/2	124	155,000	132,000
2 1/4	7	144	177,000	150,000
2 1/2	7 1/2	165	202,000	172,000
2 5/8	8	188	230,000	196,000
2 3/4	8 1/2	212	257,000	218,000
3	9	238	286,000	243,000
3 1/4	10	294	340,000	289,000
3 5/8	11	356	415,000	353,000
4	12	423	500,000	425,000
4 1/4	13	497	564,000	479,000
4 5/8	14	576	646,000	549,000
5	15	662	732,000	622,000

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



In this 3-strand construction, high-strength **Ultra Blue** fiber creates a rope that is 30-35% higher in strength than the equivalent polypropylene construction, giving Ultra Blue-3 up to three times more wear life than polypropylene.

Product Code: 130

Fiber (Core/cover): Polyolefin

Specific Gravity: .94

Splice: 3-Strand Class I

Applications:

- Purse Seine Line
- Hand Line
- Amusement Park Rigging
- General Working Line
- Barge Tie-Up Line
- Messenger Line
- Handy Line
- Barge and Dredge Working Line

Features & Benefits:

- 30-35% stronger than standard polypropylene
- Abrasion resistant
- Durable
- Easy to splice
- Excellent grip
- Good dielectric properties
- Lightweight
- More durable than polypropylene
- UV resistant
- Water resistant



Specifications

Diam. (in)	Circ. (in)	Weight Per 100 Ft. (lbs)	Avg Strength (lbs)	Min. Strength (lbs)
1/4	3/4	1.1	1,700	1,500
5/16	1	2.1	2,600	2,300
3/8	1 1/8	2.6	3,700	3,300
7/16	1 1/4	3.1	4,600	4,100
1/2	1 1/2	4.5	6,100	5,500
9/16	1 3/4	6.3	8,400	7,600
5/8	2	8	10,600	9,500
3/4	2 1/4	10.2	12,000	10,800
7/8	2 3/4	15.8	18,000	16,200
1	3	18.6	22,600	20,300
1 1/8	3 1/2	24.7	26,600	23,900
1 1/4	3 3/4	28.9	33,000	29,700
1 5/16	4	32.5	37,000	33,300
1 1/2	4 1/2	41.2	42,000	37,800
1 5/8	5	52.6	55,000	49,500
1 3/4	5 1/2	61.9	65,000	58,500
2	6	73.2	78,000	70,200

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



A firm, polyester, double braided rope with high strength, low stretch, and excellent resistance to wear. If meeting military specifications is required, please state when ordering or requesting a quote.

Product Code: 506

Fiber (Core/Cover): Polyester / Polyester

Specific Gravity: 1.38

Splice: Double Braid Class I

Applications:

- Stage, Event, and Special Effects Rigging
- Purse Seine Line
- Trawl or Bridle Line
- General Working Line
- Winch Line
- Pulling / Stringing Line
- Handy Line
- Winch Mainline
- H-bitt / Capstan Line
- Stretcher

Features & Benefits:

- Abrasion resistant
- Durable
- Firm, yet flexible
- Flex-fatigue resistant
- Heat resistant
- High strength
- Low elastic elongation
- Low stretch
- Pro-Gard Marine Finish (on 3/4" and above)
- Torque-free construction
- UV resistant



Specifications

Diam. (in)	Circ. (in)	Weight Per 100 Ft. (lbs)	Avg Strength (lbs)	Min. Strength (lbs)
1/4	3/4	2.1	2,300	2,000
5/16	1	3.2	3,600	3,100
3/8	1 1/8	4.5	5,600	4,800
7/16	1 1/4	6.1	7,700	6,500
1/2	1 1/2	8.2	10,400	8,800
9/16	1 3/4	11	13,300	11,300
5/8	2	14	16,300	13,900
3/4	2 1/4	18	20,400	17,300
7/8	2 3/4	27.1	29,900	25,400
1	3	34	39,200	33,300
1 1/8	3 1/2	45.3	48,200	41,000
1 1/4	3 3/4	53.9	57,300	48,700
1 5/16	4	60.8	64,700	55,000
1 1/2	4 1/2	73.3	75,100	63,800
1 5/8	5	85.9	87,200	74,100
1 3/4	5 1/2	104	104,000	88,400
2	6	124	124,000	105,000
2 1/8	6 1/2	147	145,000	123,000
2 1/4	7	173	166,000	141,000
2 1/2	7 1/2	196	190,000	162,000
2 5/8	8	225	212,000	180,000
2 3/4	8 1/2	246	234,000	199,000
3	9	300	278,000	236,000
3 1/4	10	375	343,000	292,000
3 5/8	11	450	407,000	346,000
4	12	525	470,000	400,000
4 1/4	13	589	533,000	453,000
4 5/8	14	689	616,000	524,000
5	15	788	698,000	593,000

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

