



CORDAGE

SIZE (INCHES)		APPROX. AVERAGE TENSILE STRENGTH (LBS.)	NET WEIGHT * PER 100 FT. IN POUNDS
DIAMETER	CIRCUMFERENCE		
3/8	1-1/8	4300	3.5
7/16	1-1/4	6000	5.0
1/2	1-1/2	8000	6.7
9/16	1-3/4	10000	8.3
5/8	2	13000	10.5
3/4	2-1/4	16500	14.5
7/8	2-3/4	24500	20.8
1	3	29000	25.8
1-1/16	3-1/4	35000	31.0
1-1/8	3-1/2	39000	35.0
1-1/4	3-3/4	44000	40.0
1-5/16	4	49000	45.0
1-1/2	4-1/2	61500	62.5

DOUBLE-BRAID NYLON

This line is produced from 100% white nylon fibers in both the cover and core. In commercial fishing, Double-Braid Nylon is recommended for use as Towing Lines, Brailing Lines, Double and Single Falls, and for general all-purpose uses. For pleasure boating uses these ropes are excellent Mooring and Anchor Lines. In the utility industry they are used as Hand Lines and Bull Ropes. Double Braid Nylon is fully spliceable. Subject to +10%, -0% from these figures.

SIZE (INCHES)		APPROX. AVERAGE TENSILE STRENGTH (LBS.)	NET WEIGHT * PER 100 FT. IN POUNDS
DIAMETER	CIRCUMFERENCE		
3/8	1-1/8	4300	4.5
7/16	1-1/4	6000	6.2
1/2	1-1/2	8000	8.0
9/16	1-3/4	10000	10.5
5/8	2	13000	13.0
3/4	2-1/4	16500	17.5
7/8	2-3/4	24500	25.0
1	3	29000	30.5
1-1/16	3-1/4	35000	36.0
1-1/8	3-1/2	39000	40.0
1-1/4	3-3/4	44000	47.0
1-5/16	4	49000	53.0
1-1/2	4-1/2	61500	67.0

DOUBLE-BRAID POLYESTER

A line incorporating 100% polyester fibers in both the cover and the core. Double-Braid Polyester is the answer to rugged demands requiring a rope with high strength and low stretch. In the utility field this product has received excellent reception in overhead transmission work for pulling in new and replacement conductors. It is also replacing wire as a Winch Line. Commercial fishermen request it for Purse Lines. Sailing enthusiasts require it for all running rigging. Industry uses it for fabricating rope sling. As with other Double-Braid products, it is fully spliceable. *Subject to +10%, -0% from these figures.



MANILA SAFETY LINE SPECIFICATIONS

DIAMETER SIZE (INCHES)	WEIGHT PER 100 FT.	MINIMUM BREAKING STRENGTH (LBS.)
7/8	26.5	2700

MANILA SAFETY LINE is engineered for the job. It is a safety line used by tree toppers in lumbering, by high scalers in dam building and construction, and wherever there is an unusual hazard of damage to climbing rope. A BUILT-IN EXTRA MARGIN OF SAFETY makes it very different from regular manila rope. Not only is it a four-strand product, but in the center of the rope there is a heart of wire rope (performed super steel). If the Manila rope is accidentally damaged, the wire adds the margin of safety for the protection of life and limb.

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PLASMA® 12 STRAND

Plasma™ 12 strand is the highest strength synthetic rope available. Plasma™ 12 strand is manufactured from AlliedSignal Spectra® Fiber that has been enhanced by Puget Sound Rope's patented recrystallization process. This process is especially effective in medium to large diameter ropes where strengths are over 50% higher and creep is significantly less than that of standard Spectra® 12 strand.

Plasma™ 12 strand comes standard with a polyurethane finish and is easily spliced using a simple lockstitch type splice or 4-3-2 tuck splice. Its soft, torque free braided construction provides easy handling.

Tensile Strengths are determined in accordance with ASTM test method D 4268-83.

Weights are calculated at linear density under standard preload (200 d²) plus 4%.

- Highest strength
- Lowest stretch
- Low creep
- Soft hand
- Torque free
- Easy splicing
- Floats

Specify gravity.....	0.98
Melting point.....	284° F
Critical temp.....	150° F
Coefficient of friction.....	0.09-0.12
Elongation at break.....	4% - 5%
Fiber water absorption.....	0%
UV resistance.....	excellent
Wet abrasion.....	superior
Dry abrasion.....	superior

SPECTRA® 12 STRAND

Spectra® 12 strand provides very high strength, low stretch and excellent abrasion resistance in a single braid construction.

For the equivalent weight rope it is over 3 times as strong as polyester and has less than one half the elongation.

Spectra® 12 strand comes standard with a polyurethane finish and is easily spliced using a 4-3-2 tuck splice. Its soft, torque free braided constructions provides easy handling.

Tensile Strengths are determined in accordance with ASTM test method 4268-83.

Weights are calculated using the linear density under standard preload (200 d²) plus 4%.

- Very Low stretch
- Very High strength
- Soft hand
- Torque free
- Easy splicing
- Floats

Specify gravity.....	0.98
Melting point.....	284° F
Critical temp.....	150° F
Coefficient of friction.....	0.09-0.12
Elongation at break.....	6% - 8%
Fiber water absorption.....	0%
UV resistance.....	excellent
Wet abrasion.....	superior
Dry abrasion.....	superior

NOMINAL DIAMETER (INCHES)	SIZE NUMBER (CIRC.)	APPROXIMATE WEIGHT (LBS./100FT.)	MINIMUM TENSILE STRENGTH (LBS.)
7/16	1-1/4	4.2	21000
1/2	1-1/2	6.4	31300
9/16	1-3/4	7.9	37900
5/8	2	10.6	51400
3/4	2-1/4	13.3	68500
7/8	2-3/4	19.6	92600
1	3	23.4	110000
1-1/8	3-1/2	31.9	147000
1-1/4	3-3/4	36.2	165000
1-5/16	4	41.7	196000
1-1/2	4-1/2	51.7	221000
1-5/8	5	65.7	291000
1-3/4	5-1/2	78.4	314000
2	6	91.4	355000
2-1/8	6-1/2	109.0	428000
2-1/4	7	122.0	481000
2-5/8	8	167.0	560000
3	9	214.0	780000
3-1/4	10	261.0	1000000
3-5/8	11	324.0	1250000
4	12	394.0	1520000

NOMINAL DIAMETER (INCHES)	SIZE NUMBER (CIRC.)	APPROXIMATE WEIGHT (LBS./100FT.)	MINIMUM TENSILE STRENGTH (LBS.)
7/16	1-1/4	4.2	14800
1/2	1-1/2	6.4	22500
9/16	1-3/4	7.9	27700
5/8	2	10.6	36600
3/4	2-1/4	13.3	43200
7/8	2-3/4	19.6	61000
1	3	23.4	72000
1-1/8	3-1/2	31.9	91800
1-1/4	3-3/4	36.2	102600
1-5/16	4	41.7	114300
1-1/2	4-1/2	51.7	141300
1-5/8	5	65.7	167400
1-3/4	5-1/2	78.4	198000
2	6	91.4	225000
2-1/8	6-1/2	109.0	270000
2-1/4	7	122.0	317700
2-1/2	7-1/2	148.0	360000
2-5/8	8	167.0	370800
2-3/4	8-1/2	187.0	405000
3	9	214.0	508500
3-1/4	10	261.0	616500
3-5/8	11	324.0	765000
4	12	394.0	900000

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POLYESTER 12 PLAIT

Polyester 12 Plait provides high strength, low stretch and excellent abrasion resistance in a unique single braid construction.

Polyester 12 Plait is easily spliced using a standard tuck splice and is 30% stronger than three strand or 8 plait polyester. It's torque free braided construction provides easy handling and prevents kinks and hockles.

Polyester 12 Plait comes standard with an overlay marine finish and is available on special order with a spliceable polyurethane finish in clear or any of six colors.

Tensile Strengths are determined in accordance with ASTM test Method D 4268-83.

Weights are calculated at linear density under standard preload (200 d²) plus 5%.

- Low Stretch
- High Strength
- Soft hand
- Torque free
- Easy splicing
- Meets MIL-R-24750

Specify gravity.....	1.38
Melting point.....	482° F
Critical temp.....	350° F
Coefficient of friction.....	0.12-0.15
Elongation at break.....	15% - 20%
Fiber water absorption.....	0% - 1%
UV resistance.....	excellent
Wet abrasion.....	excellent
Dry abrasion.....	excellent

NOMINAL DIAMETER (INCHES)	SIZE NUMBER (CIRC.)	APPROXIMATE WEIGHT (LBS./100FT.)	MINIMUM TENSILE STRENGTH (LBS.)
5/8	2	14.1	12100
3/4	2-1/4	18.7	15800
7/8	2-3/4	28.2	24200
1	3	35.1	27500
1-1/8	3-1/2	41.2	35500
1-1/4	3-3/4	45.9	42100
1-5/16	4	55.0	48200
1-1/2	4-1/2	71.1	59600
1-5/8	5	84.8	72200
1-3/4	5-1/2	98.6	84400
2	6	120.0	101000
2-1/8	6-1/2	141.0	119000
2-1/4	7	160.0	137000
2-1/2	7-1/2	189.0	163000
2-5/8	8	208.0	179000
2-3/4	8-1/2	234.0	202000
3	9	273.0	233000
3-1/4	10	338.0	282000
3-5/8	11	402.0	340000
4	12	486.0	409000

NYLON DOUBLE BRAID

Nylon Double Braid is the preferred choice for applications requiring high strength with excellent shock absorbing properties. Nylon Double Braid has good resistance to abrasion, ultraviolet and chemicals. Due to its high elongation, nylon is almost always used in applications involving shock loading such as anchor lines and mooring lines.

Nylon Double Braid comes standard with an overlay marine finish and is available on special order with a spliceable polyurethane finish in clear or any of six colors.

- High Stretch
- High Strength
- Excellent shock absorption
- Soft hand
- Torque free
- Meets MIL-R-24050D

Specify gravity.....	1.14
Melting point.....	414° F
Critical temp.....	300° F
Coefficient of friction.....	0.12-0.15
Elongation at break.....	30% - 35%
Fiber water absorption.....	3% - 5%
UV resistance.....	good
Wet abrasion.....	excellent
Dry abrasion.....	excellent

SIZE (INCHES)		AVG. LBS./100FT.	STRENGTH	STANDARD PACKAGING		
DIAMETER	CIRC.			LENGTH	BULK CARTON APPROX. WT.	600 FT. SPOOL APPROX. WT.
5/8	2	12	14800	4800	576	72
3/4	2-1/4	15	19000	3600	540	90
7/8	2-3/4	22	28300	2400	528	132
1	3	26	33500	2400	624	156
1-1/8	3-1/2	36	44900	1800	648	216
1-1/4	3-3/4	41	52300	1200	492	246
1-5/16	4	47	58800	1200	564	282
1-1/2	4-1/2	60	74000	600	360	360
1-5/8	5	74	92400	600	444	444
1-3/4	5-1/2	89	110900	600	534	534
2	6	106	131500	600	636	636
2-1/8	6-1/2	124	152800			744
2-1/4	7	144	177000			864
2-1/2	7-1/2	165	201000			990
2-5/8	8	188	231000			1128
2-3/4	8-1/2	212	254000			1272
3	9	238	283000			1428
3-1/4	10	294	319000			1764
3-5/8	11	356	381000			2136
4	12	423	447000			2538
4-1/4	13	497	522000			2982

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