

Industrial/Utility Supply

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BUYING GUIDE

To help you in your rope buying, AAMSTRAND has prepared this Rope Buying Guide which contains basic information and many practical suggestions which will be useful to you. Rope can be an important area for cost reduction and yet, since lives, expensive equipment and products are often at stake, it is critical for the wise rope buyer to weigh many factors in choosing rope. Purchasing cut rate seconds from unreliable suppliers can save you pennies initially, but end up costing you thousands of dollars in the "real" cost. Always order from a well established source such as AAMSTRAND, with a national reputation of quality, service and guaranteed dependability. We sincerely hope you will find that the few moments you spend studying these hints and suggestions will yield rich rewards for your company and you. Please call us for any help you may need as you select rope and cordage. Our sales representatives and engineers are only a phone call away.

How to Cut Rope Costs

Check these ten basic rules for maintaining high quality and reducing rope costs.

- 1. Do not overbuy.** Know how the rope is to be used and the working strength requirement so you don't buy a more costly construction, material, or diameter than you need.
- 2. Order maximum quantity** to be used for a period of time, even though it may be delivered at different times. Allow adequate lead times.
- 3. Buy on a blanket order arrangement.**
The seller may feel more bound to honor an earlier lower price rather than renegotiate a new price with each order. The manufacturer may save money by being able to predict inventories and schedule production to insure delivery. Therefore, quantity discounts may be offered.
- 4. Buy the most commonly stocked sizes and constructions** as much as possible. It is more economical for the manufacturer to run these and hold inventories. By ordering from stock, you save delivery time and money. If your first choice is not in stock, we may be able to recommend an acceptable substitute in color, construction, length, etc. so you can get quick delivery out of stock.
- 5. Buy standard length, color and construction** as much as possible. Up charges for nonstandards can add considerably to your costs.
- 6. Send, exchange, or ask for samples** if you are unsure of the exact construction or color. This will save valuable time and eliminate costly returns. Remember, what you consider to be a "medium lay" or a "bright blue" may be different for some of our other customers.
- 7. Always check the weight and diameter of rope.**
Variance in the weight of yarn make the manufacturing of twisted rope unpredictable as to the exact feet per pound, diameter, and weight.
- 8. If the rope is to be cut, spliced, attached, etc. check with us** to see if we can do it for you more economically than you can do it yourself.
- 9. Take good care of your rope.** Remove rope from coils and reels properly, store rope properly, dry rope properly, keep rope clean, keep rope away from chemicals, avoid rust, slack off guys in wet weather, choose rope size to match gear, reverse ends of rope occasionally, splice rope correctly, avoid unnecessary wear and abrasion, avoid overheating, avoid sharp angles and bends, do not overload rope, avoid sudden jerks or strains, visually inspect rope frequently.
- 10. Ask about a more economical substitute.**
Tell us what the rope is to be used for. We may be able to recommend a less costly substitute.

TERMS AND CONDITIONS

PRICES: Subject to change without notice. All orders are invoiced at prices in effect at the time of the shipment.

CREDIT: All new accounts are shipped C.O.D. until open accounts are established. A credit card back up is required for all C.O.D. shipments.

PAYMENT TERMS: Net 30 days from invoice date for approved accounts.

MINIMUM ORDERS: Orders less than \$200.00 are subject to a \$25.00 invoice charge.

PAST DUE ACCOUNTS: Subject to a finance charge of 1.5% per month from invoice date.

RETURNS: Material may not be returned without prior authorization. All returns of non-defective goods are subject to a 20% restocking charge and return freight prepaid at the customers expense.

SHIPPING: Shipments are F.O.B. Manteno, IL. with freight charges added to the invoice.

DISCLAIMER: Misuse of rope can result in serious injury or death. Avoid using rope that shows signs of aging and wear. For overhead lifting, support of human weight, or other situations where personal safety or valuable property can be endangered, refer to AAmstrand Rope Buyer's Guide and consult AAmstrand Special Products Division.



3 Strand Twisted Polypropylene Rope (Monofilament) - Spool

Picture 4

	Item	* Diameter		* Length		* Item	Lbs.	Cube	** Working Load
	#	In	mm	Feet	Meter	Color	Each	Each	Limits (Lbs.)
This premium general purpose monofilament rope is strong, lightweight, spliceable and used extensively for most rope requirements.	09949	1/8	3	600	183	Yellow	3.5	.30	27 - 65
	09955	1/8	3	3,000	914	Yellow	10.5	1.5	27 - 65
	09998	3/16	5	300	91	Yellow	1.95	.25	54 - 130
This rope's highly visible bright yellow color makes it an excellent choice for roping off construction site areas.	10000	3/16	5	600	183	Yellow	3.9	.56	54 - 130
	10017	3/16	5	1,200	366	Yellow	7.8	1	54 - 130
	10023	3/16	5	2,400	732	Yellow	15.6	2.25	54 - 130
	10034	3/16	5	3,600	1,097	Yellow	23.4	.95	54 - 130
This economical synthetic rope is nearly twice as strong as manila and it's smooth surface makes it easier to handle than natural fiber ropes.	10074	1/4	6	250	76	Yellow	2.9	.25	94 - 225
	10040	1/4	6	300	91	Yellow	3.4	.30	94 - 225
	10041	1/4	6	500	152	Yellow	5.8	.50	94 - 225
	10050	1/4	6	600	183	Yellow	6.9	.56	94 - 225
	10094	1/4	6	1,000	305	Yellow	11.5	1	94 - 225
Polypropylene resists bending and flexing, but continued wear causes roughness and increased knot holding ability.	16120	1/4	6	1,200	366	Yellow	13.8	1.25	94 - 225
	10076	1/4	6	2,400	732	Yellow	27.6	2.25	94 - 225
	10090	1/4	6	5,000	1,524	Yellow	57.5	4.5	94 - 225
An excellent insulator; polypropylene is used by utility companies for low dielectric loss and may be used safely around "hot" wires.	10100	5/16	8	600	183	Yellow	10.8	.58	143 - 342
	10105	5/16	8	1,200	366	Yellow	21.6	1.25	143 - 342
	10108	5/16	8	2,400	732	Yellow	43.2	2.5	143 - 342
	36365	3/8	9	200	61	Yellow	5.2	.30	203 - 486
Not recommended for use on bits and capstans where heat is a factor because it tends to stick and fuse.	10176	3/8	9	250	76	Yellow	6.5	.345	203 - 486
	10161	3/8	9	300	91	Yellow	7.8	.50	203 - 486
	16121	3/8	9	600	183	Yellow	15.6	.83	203 - 486
	10175	3/8	9	1,200	366	Yellow	31.2	1.27	203 - 486
	16150	3/8	9	2,400	732	Yellow	62.4	2.5	203 - 486
Although an ultraviolet inhibitor (UV) is added during the extrusion process, this rope will lose strength depending upon the amount of ultraviolet radiation is it exposed to.	10257	1/2	13	250	76	Yellow	11.5	.638	315 - 756
	10259	1/2	13	300	91	Yellow	13.8	1	315 - 756
	19146	1/2	13	600	183	Yellow	27.6	1.53	315 - 756
	10275	1/2	13	1,200	366	Yellow	55.2	3.03	315 - 756
This rope floats and is unaffected by rot, mildew, oil, gasoline, water and most chemicals.	10300	5/8	16	600	183	Yellow	43.2	2.04	465 - 1,116
	10325	5/8	16	1,200	366	Yellow	86.4	4.68	465 - 1,116
	10350	3/4	19	600	183	Yellow	62.4	2.06	638 - 1,530
Polypropylene has a low flammability, but will still burn very slowly.	10375	3/4	19	1,200	366	Yellow	124.8	6.06	638 - 1,530
	10450	1	24	600	183	Yellow	108	5.71	1,069 - 2,565
	10467	1	24	1,200	366	Yellow	216	11.5	1,069 - 2,565
	10500	1-1/8	28	600	183	Yellow	136.8	7.75	1,333 - 3,200
	10550	1-1/4	30	600	183	Yellow	165.6	9.98	1,613 - 3,870
	10650	1-1/2	37	600	183	Yellow	236.4	12.75	2,279 - 5,470
	10665	1-5/8	40	600	183	Yellow	276	17.0	2,663 - 6,390
Yellow is our standard color, but other colors are also available.	10750	1-3/4	43	600	183	Yellow	318	20.71	3,075 - 7,380
	10800	2	48	600	183	Yellow	414	25.89	3,900 - 9,360

* Ask about other colors and sizes.

** Do not exceed Working Load Limits : See Page 19



3 Strand Twisted Polypropylene Rope (Fibrillated) - Spool

Picture 4

Item #	* Diameter		* Length		* Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)
	In	mm	Feet	Meter				
78545	3/16	5	1,200	366	Yellow	7.8	.58	54 - 130
78549	1/4	6	600	183	Yellow	6.9	.56	94 - 225
78550	1/4	6	1,200	366	Yellow	13.8	.95	94 - 225
78555	5/16	8	600	183	Yellow	10.8	.58	143 - 342
78560	3/8	9	600	183	Yellow	15.6	.83	203 - 486
78565	1/2	13	600	183	Yellow	27.6	1.53	315 - 756
78567	5/8	16	600	183	Yellow	43.2	2.04	465 - 1,116
78570	3/4	19	600	183	Yellow	62.4	2.60	638 - 1,530
78575	1	24	600	183	Yellow	108	5.71	1,069 - 2,565
78577	1-1/2	37	600	183	Yellow	236.4	12.75	2,279 - 5,470
78579	2	48	600	183	Yellow	414	25.89	3,900 - 9,360

Fibrillated fiber polypropylene rope has a much better knot holding ability than monofilament polypropylene rope. This general purpose rope is lightweight, strong and used extensively for most rope requirements. This synthetic rope is easier to handle than rope made from natural fibers. It is a floating rope and is rot proof and unaffected by water, oil, gasoline and most chemicals. This is the lightest rope we offer and is nearly twice as strong as manila. Also known as laid rope. It is spliceable and is a very common rope construction for general purpose use. Even though we add an ultraviolet (UV) inhibitor during the extrusion process, this rope loses strength depending on the amount of exposure to ultraviolet radiation. Yellow is our standard, but it is available in other colors.

* Ask about other colors and sizes.
** Do not exceed Working Load Limits - See Page

3 Strand Twisted Polyester Rope - Spool

Picture 14

Item #	* Diameter		* Length		Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)
	In	mm	Feet	Meter				
12970	1/4	6	1,200	366	White	23.4	.95	110 - 263
13000	5/16	8	600	183	White	18.3	.58	171 - 410
13050	3/8	9	600	183	White	26.1	.83	242 - 580
13150	1/2	13	600	183	White	46.2	1.53	424 - 1,017
13200	5/8	16	600	183	White	72	2.04	652 - 1,565
13250	3/4	19	600	183	White	103.2	2.60	933 - 2,240
13350	1	24	600	183	White	182.4	5.71	1,648 - 3,955

This high strength heavy synthetic fiber is resistant to ultraviolet deterioration giving it greater weather resistance than either nylon or manila. Due to polyester's low water absorbency; only slight strength loss is experienced when wet. Polyester does not have the stretch and elasticity of nylon. Polyester is superior to nylon with respect to cycle loading and abrasion. Good for high friction uses like marine running, rigging and stringing line. Also great for tree rope, truck rope, antenna guy lines and common utility rope.

* Other sizes available upon request
** Do not exceed Working Load Limits - See Page

3 Strand Polyxtra® Rope - Spool

Picture 32

Item #	* Diameter		* Length		Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)
	In	mm	Feet	Meter				
14050	3/8	9	600	183	White/Colored Tracer	21.6	.83	225 - 540
14053	3/8	9	1,200	366	White/Colored Tracer	43.2	2	225 - 540
14100	1/2	13	600	183	White/Colored Tracer	37.2	1.53	367 - 880
14110	1/2	13	1,200	366	White/Colored Tracer	74.4	3	367 - 880
14149	5/8	16	600	183	White/Colored Tracer	57	2.04	508 - 1,220
14151	5/8	16	1,200	366	White/Colored Tracer	114	4	508 - 1,220
14200	3/4	19	600	183	White/Colored Tracer	81	2.60	700 - 1,680
14212	3/4	19	1,200	366	White/Colored Tracer	162	5.5	700 - 1,680
14300	1	24	600	183	White/Colored Tracer	130.8	5.71	1,098 - 2,635
14302	1	24	1,200	366	White/Colored Tracer	261.6	12	1,098 - 2,635
14312	1-1/8	28	600	183	White/Colored Tracer	162.6	8	1,360 - 3,265
14345	1-1/4	30	600	183	White/Colored Tracer	200.4	10	1,658 - 3,980
14350	1-1/2	37	600	183	White/Colored Tracer	282	12.75	2,354 - 5,650
14353	1-5/8	40	600	183	White/Colored Tracer	330	15.57	2,746 - 6,590
14358	1-3/4	43	600	183	White/Colored Tracer	372	20.71	3,071 - 7,370
14406	2	48	600	183	White/Colored Tracer	486	25.89	4,004 - 9,610

This rope combines a polyester cover wrapped around a polypropylene core for considerably less stretch and longer wear. This design combines the durability and high abrasion resistance of polyester with the light weight of polypropylene. This rope also floats. It handles like a natural fiber rope, yet has the stretch and flexibility of synthetics. This rope is resistant to degradation from ultraviolet light.

Note:
Diameters of 1-1/8" and above are on coils.

* Other sizes available upon request
** Do not exceed Working Load Limits - See Page 19

3 Strand Twisted Nylon Rope - Spool

Picture 1

The first synthetic fiber rope manufactured. Three strand twisted nylon rope lasts as much as 10 times longer than manila rope and 5 times longer than polypropylene rope. Long working life makes nylon rope very economical. This high strength resilient nylon rope has the ability to absorb sudden shock; as well as excellent flex and superb resistance to abrasion, chemicals and marine organisms. It is unaffected by mildew and rot and can be stored when wet. Some of the many uses include marine dock and anchor lines, shipping and industrial work, vehicle tow rope, tie-downs, farm and livestock usage. This rope is easy to splice and is very common for general purpose use.

* Other sizes available upon request

** Do not exceed Working Load Limits - See Page

Item #	* Diameter		* Length		Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)
	In	mm	Feet	Meter				
10998	3/16	5	1,200	366	White	10.7	.58	73 - 176
11025	1/4	6	1,200	366	White	18.8	.95	124 - 297
11050	5/16	8	600	183	White	14.7	.83	191 - 459
11100	3/8	9	600	183	White	21.3	.83	270 - 648
11200	1/2	13	600	183	White	37.8	1.53	473 - 1,134
11250	5/8	16	600	183	White	59.4	2.04	743 - 1,782
11300	3/4	19	600	183	White	85.8	2.60	1,065 - 2,556
11400	1	24	600	183	White	151.8	5.71	1,853 - 4,446
11450	1-1/8	28	600	183	White	193.2	8.50	2,355 - 5,652
11500	1-1/4	30	600	183	White	238.2	9.98	2,903 - 6,966
11600	1-1/2	37	600	183	White	342	12.75	4,050 - 9,720
11650	1-5/8	40	600	183	White	403.8	15.57	4,781 - 11,475
11662	1-3/4	43	600	183	White	468	20.71	5,513 - 13,230
11665	2	48	600	183	White	600	25.89	7,050 - 16,920

3 Strand Twisted Manila Rope - Coil

Picture 12

Item #	* Diameter		* Length		Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)
	In	mm	Feet	Meter				
16775	1/4	6	1,200	366	Natural	22	.95	45 - 108
16778	3/8	9	600	183	Natural	23	.83	101 - 243
16782	1/2	13	600	183	Natural	42	1.53	199 - 477
16784	5/8	16	600	183	Natural	76	2.04	330 - 742
16785	3/4	19	600	183	Natural	95	2.60	405 - 972
12350	1	24	600	183	Natural	154	5.71	675 - 1,620
12400	1-1/8	28	600	183	Natural	206	8.50	900 - 2,160
12445	1-1/4	30	600	183	Natural	238	9.98	1,013 - 2,430
12550	1-1/2	37	600	183	Natural	342	12.75	1,388 - 3,330
12557	1-5/8	40	600	183	Natural	427	15.57	1,688 - 4,050
12562	1-3/4	43	600	183	Natural	510	20.71	1,988 - 4,770
12600	2	48	600	183	Natural	612	25.89	2,325 - 5,580

The best known natural fiber rope. At one time, it was the best rope fiber available. This premium grade biodegradable rope provides good knot holding ability. Its natural texture provides a firm grip even when oiled. Manila has very low stretch compared to synthetic ropes and possesses excellent rendering qualities. With good resistance to internal and external wear, manila provides many uses for industrial, heavy marine, construction, roofing, lasso and lunging ropes. It is also excellent as a general use rope for home and farm, gymnasium climbing ropes and for ornamental purposes. Manila must be handled and stored with care as any dampness may cause it to rot.

* Other sizes available upon request

** Do not exceed Working Load Limits - See Page 19

3 Strand Twisted Sisal Rope - Coil

Picture 9

This low cost natural fiber rope has a rough texture which provides a firm grip and holds knots well. Fair to good surface and internal abrasion resistance makes sisal a good choice for general purpose jobs where moderate strength is required. It is lighter in color, softer and more pliable than manila. Sisal rope is great for home, farm and utility use. It is also useful for zoological barriers, ornamental purposes, nursery supply, tie-downs and tent lines. Sisal is a natural fiber that deteriorates rapidly when exposed to weather.

Item #	* Diameter		* Length		Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)
	In	mm	Feet	Meter				
16915	3/16	5	2,000	610	Natural	27	.97	24 - 58
16786	1/4	6	1,500	457	Natural	27	1.10	32 - 77
16787	5/16	8	1,000	305	Natural	26	.97	53 - 128
16788	3/8	9	500	152	Natural	19	.69	72 - 173
16789	1/2	13	500	152	Natural	35	2.10	142 - 340
16922	3/4	19	500	152	Natural	80	2.10	288 - 691
15650	1	24	600	183	Natural	160	5.71	480 - 1,162

* Other sizes available upon request

** Do not exceed Working Load Limits : See Page 19



3 Strand Twisted Cotton Rope - Coil

Picture 35

Item	* Diameter		* Length		Item	Lbs.	Cube	** Working Load
#	In	mm	Feet	Meter	Color	Each	Each	Limits (Lbs.)
14840	3/16	5	3,600	1,097	Natural	32	1.0	26 - 63
14912	1/4	6	2,250	686	Natural	32	2.0	46 - 110
14917	5/16	8	1,200	366	Natural	33	1.0	72 - 174
15000	3/8	9	600	183	Natural	22	.80	105 - 253
15050	1/2	13	600	183	Natural	36	1.5	156 - 376
15100	5/8	16	600	183	Natural	56	2	192 - 461
15150	3/4	19	600	183	Natural	70	2.25	233 - 558

3 strand twisted cotton is a general purpose rope. For handling quality, cotton is hard to beat. It is soft and pliable and easy on the hands. Being a natural fiber, it does not have the strength or durability of synthetic fiber ropes.
Natural white color.

* Other sizes available upon request ** Do not exceed Working Load Limits : See Page 19

Tanpro® (Manila Color Poly) - Spool

Picture 16

	Item	* Diameter		* Length		Item	Lbs.	Cube	** Working Load
	#	In	mm	Feet	Meter	Color	Each	Each	Limits (Lbs.)
This 3 strand twisted polypropylene rope has the natural look and firm grip of manila but is lightweight and longer wearing. Unaffected by water, grease, and most chemicals, this buoyant rope is perfect for utility and marine use. Natural manila color. Even though we add an ultraviolet inhibitor (UV) during the extrusion process, this rope loses strength depending on the amount of exposure to ultraviolet radiation.	65028	1/4	6	1,200	366	Manila	13.8	.95	94 - 225
	65029	3/8	9	600	183	Manila	15.6	.83	203 - 486
	65030	1/2	13	600	183	Manila	27.6	1.53	315 - 756
	16451	5/8	16	600	183	Manila	43.2	2.04	465 - 1,116
	16501	3/4	19	600	183	Manila	62.4	2.60	638 - 1,530
	16550	1	24	600	183	Manila	108	5.71	1,069 - 2,565

* Other sizes available upon request ** Do not exceed Working Load Limits : See Page 19

California Truck Rope - Spool

Picture 6

Item	* Diameter		* Length		Item	Lbs.	Cube	** Working Load
#	In	mm	Feet	Meter	Color	Each	Each	Limits (Lbs.)
17160	1/4	6	1,200	366	Black/Orange	13.8	.95	94 - 225
35152	3/8	9	600	183	Black/Orange	15.6	.83	203 - 486
35155	1/2	13	600	183	Black/Orange	27.6	1.53	315 - 756
17400	5/8	16	600	183	Black/Orange	43.2	2.04	465 - 1,116
17450	3/4	19	600	183	Black/Orange	62.4	2.60	638 - 1,530
17550	1	24	600	183	Black/Orange	108	5.71	1,069 - 2,565

Meets California state trucking codes. It has all the qualities of polypropylene, plus ultraviolet inhibitors for longer life. Good abrasion resistance and high strength make it excellent for tie-downs. It is also unaffected by water and able to float.
Color is black with a bright orange

* Other sizes available upon request ** Do not exceed Working Load Limits : See Page 19

Hollow Braid Polypropylene - Spool

Picture 19

	Item	* Diameter		* Length		* Item	Lbs.	Cube	** Working Load
	#	In	mm	Feet	Meter	Color	Each	Each	Limits (Lbs.)
This rope is constructed of 8 or 12 strands with a hollow center. The diamond braid construction of this cord is easy on the hands and allows quick splicing. This cord is great for barriers, tie-downs, flagpole halyards, floating lines and lifelines. Standard colors are yellow, white and black.	18100	3/16	5	1,000	305	Yellow	6.5	.60	37 - 90
	18200	1/4	6	1,000	305	Yellow	9	1.00	83 - 200
	18250	5/16	8	1,000	305	Yellow	12.5	1.25	125 - 300
	18300	3/8	9	1,000	305	Yellow	19	1.83	175 - 420
	18350	1/2	13	1,000	305	Yellow	26.5	2.0	223 - 535
	18392	5/8	16	500	152	Yellow	30	2.0	480 - 1,152
	18394	3/4	19	500	152	Yellow	40	2.0	690 - 1,656

* Ask about other colors and sizes. ** Do not exceed Working Load Limits : See Page 19



Double Braid Nylon Rope - Spool

Picture 15

	Item	* Diameter		* Length		Item	Lbs.	Cube	** Working Load
	#	In	mm	Feet	Meter	Color	Each	Each	Limits (Lbs.)
<p>Double braid nylon, also known as braid on braid nylon, is actually two braided ropes combined into one rope. A braided core is covered with a braided jacket to produce a strong, easy to handle rope. This rope is spliceable and very strong.</p> <p>Nylon double braid is the preferred choice for applications requiring high strength with excellent shock absorbing properties.</p> <p>Nylon double braid has good resistance to abrasion, sunlight and chemicals.</p> <p>Due to its high elongation, nylon is almost always used in applications involving shock loading such as anchor lines and mooring lines.</p>	21500	1/4	6	600	183	White	9.9	.56	139 - 333
	21592	5/16	8	600	183	White	15.6	.58	218 - 522
	21600	3/8	9	600	183	White	22.2	.83	308 - 740
	21715	1/2	13	600	183	White	39.6	1.53	544 - 1,305
	21750	5/8	16	600	183	White	62.4	2.04	850 - 2,040
	21800	3/4	19	600	183	White	90	2.60	1,208 - 2,900
	21900	1	24	600	183	White	159.6	5.71	2,102 - 5,045
	21915	1-1/8	28	600	183	White	201.6	7.85	2,625 - 6,300
	21940	1-1/4	30	600	183	White	249	9.98	3,225 - 7,740
	21945	1-1/2	37	600	183	White	358.2	12.75	4,583 - 11,000
	22122	1-5/8	40	600	183	White	420	16.73	5,367 - 12,880
	22123	1-3/4	43	600	183	White	486	20.71	6,200 - 14,880
	21946	2	48	600	183	White	636	25.89	8,075 - 19,380
	21947	2-1/4	56	600	183	White	804	44	10,125 - 24,300
	21949	2-1/2	60	600	183	White	990	44	12,450 - 29,880
	22124	2-5/8	64	600	183	White	1,086	60	13,650 - 32,760
	22126	3	72	600	183	White	1,422	96	17,483 - 41,960

* Other sizes available upon request ** Do not exceed Working Load Limits : See Page 19

Double Braid Polyester Rope - Spool

Picture 25

Item	* Diameter		* Length		Item	Lbs.	Cube	** Working Load
#	In	mm	Feet	Meter	Color	Each	Each	Limits (Lbs.)
22200	1/4	6	600	183	White	14.4	.56	129 - 310
22250	5/16	8	600	183	White	21.6	.58	199 - 477
22300	3/8	9	600	183	White	28.8	.83	285 - 684
22400	1/2	13	600	183	White	51.6	1.53	495 - 1188
22450	5/8	16	600	183	White	78.6	2.04	750 - 1800
22500	3/4	19	600	183	White	112.8	2.60	1,069 - 2565
22600	1	24	600	183	White	201	5.71	1,875 - 4,500
22601	1-1/8	28	600	183	White	.4	7.85	2,371 - 5,690
22602	1-1/4	30	600	183	White	313.8	9.98	2,917 - 7,000
22603	1-1/2	37	600	183	White	452.4	12.75	4,200 - 10,080
22604	1-5/8	40	600	183	White	529	16.73	4,875 - 11,700
22612	1-3/4	43	600	183	White	618	20.71	5,663 - 13,590
22613	2	48	600	183	White	804	25.89	7,396 - 17,750
22614	2-1/4	56	600	183	White	1,014	44	11,750 - 28,200
22615	2-1/2	60	600	183	White	1,254	44	14,167 - 34,000
22616	2-5/8	64	600	183	White	1,386	60	15,500 - 37,200
22617	2-3/4	68	600	183	White	1,590	60	17,167 - 41,200
22618	3	72	600	183	White	1,806	96	19,750 - 47,400

Also known as braid on braid polyester, this rope is actually two braided ropes combined into one rope. A braided core is covered with a braided jacket to produce a strong, easy to handle rope. This rope is spliceable and very strong.

Polyester double braid provides an excellent combination of high strength, low stretch, excellent weathering and easy handling. Of all the popular fibers, polyester has the best weathering characteristics and the best wet abrasion resistance.

* Other sizes available upon request ** Do not exceed Working Load Limits - See Page

Solid Braid Nylon Rope - Spool

Picture 7

Item #	* Diameter		* Length		Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)
	In	mm	Feet	Meter				
18403	1/8	3	500	152	White	3.2	.25	26 - 62
18410	1/8	3	600	183	White	3.7	.3	26 - 62
18400	1/8	3	1,000	305	White	5.2	.5	26 - 62
18405	1/8	3	3,000	914	White	13.4	1.5	26 - 62
18445	5/32	4	500	152	White	3.7	.5	37 - 88
18450	5/32	4	1,000	305	White	6.6	.58	37 - 88
18470	3/16	5	500	152	White	4.9	.29	52 - 125
18500	3/16	5	1,000	305	White	8.8	.58	52 - 125
18550	7/32	5.5	1,000	305	White	11	1.13	71 - 170
18625	1/4	6	500	152	White	8.1	.58	90 - 216
18600	1/4	6	1,000	305	White	14.5	1.13	90 - 216
18640	5/16	8	500	152	White	13	.58	135 - 324
18650	5/16	8	1,000	305	White	25	1.13	135 - 324
18720	3/8	9	500	152	White	18	1.13	192 - 460
18700	3/8	9	1,000	305	White	38	1.83	192 - 460
18754	1/2	13	500	152	White	31.5	1.13	323 - 775
18750	1/2	13	1,000	305	White	61	2.0	323 - 775
18769	5/8	16	500	152	White	47	2.34	506 - 1,215
18772	5/8	16	1,000	305	White	94	4.5	506 - 1,215

Solid braid ropes are constructed of various bundles of fiber interlocked together in a circular braiding pattern.

Nylon is resistant to abrasion, chemicals, and marine organisms, and is among the strongest of rope fibers.

This smooth, round, firm braid holds its shape well under pressure and load. It stays flexible and knots easily even after prolonged use.

An excellent choice for pulleys, blocks, sheaves, and winches or wherever a firm round rope is needed. Solid braid is not as strong as other braids, nor is it spliceable.

Other uses include anchor, mooring, and dock lines. Also used as a general utility rope for farm, camping, home, or industrial use.

* Other sizes available upon request
 ** Do not exceed Working Load Limits - See Page

Solid Braid Nylon Rope - Hank

Picture 13

Item #	* Diameter		* Length		Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)
	In	mm	Feet	Meter				
40830	1/8	3	50	15	White	.23	.03	26 - 62
40900	1/8	3	100	30	White	.48	.06	26 - 62
41150	5/32	4	50	15	White	.26	.03	37 - 88
41200	5/32	4	100	30	White	.52	.08	37 - 88
41500	3/16	4	50	15	White	.39	.03	52 - 125
41550	3/16	4	100	30	White	.77	.08	52 - 125
41750	7/32	5.5	100	30	White	.55	.12	71 - 170
41800	1/4	6	50	15	White	.73	.03	90 - 216
41850	1/4	6	100	30	White	1.3	.13	90 - 216
42050	5/16	8	50	15	White	1.2	.04	135 - 324
42100	5/16	8	100	30	White	2.4	.13	135 - 324
42250	3/8	9	50	15	White	1.6	.04	192 - 460
42300	3/8	9	100	30	White	3.3	.13	192 - 460
42525	7/16	11	50	15	White	2.6	.04	258 - 620
42526	7/16	11	100	30	White	5.2	.13	258 - 620
42550	1/2	13	50	15	White	2.8	.05	323 - 775
42650	1/2	13	100	30	White	5.6	.14	323 - 775

Solid braid ropes are constructed of various bundles of fiber interlocked together in a circular braiding pattern.

Nylon is resistant to abrasion, chemicals, and marine organisms, and is among the strongest of rope fibers.

This smooth, round, firm braid holds its shape well under pressure and load. It stays flexible and knots easily even after prolonged use.

An excellent choice for pulleys, blocks, sheaves, and winches or wherever a firm round rope is needed. Solid braid is not as strong as other braids, nor is it spliceable.

Other uses include anchor, mooring, and dock lines. Also used as a general utility rope for farm, camping, home, or industrial use.

* Other sizes available upon request
 ** Do not exceed Working Load Limits : See Page 19



Solid Braid Polyester Rope - Spool

Picture 24

<p>A firm round rope that works extremely well on blocks and pulleys. Its name refers to the special lock-stitch construction of the rope. Solid braid does not unravel when cut as much as other constructions. This white cord stays flexible and knots easily even after prolonged use. Polyester does not have the stretch and elasticity of nylon. A favorite for guy lines, sash cords, pulleys, tie-downs and flagpole halyards.</p> <p>* Other sizes available upon request ** Do not exceed Working Load Limits - See Page</p>	Item #	* Diameter		* Length		Item	Lbs.	Cube	** Working Load
	#	In	mm	Feet	Meter	Color	Each	Each	Limits (Lbs.)
	19050	1/8	3	1,000	305	White	5	.255	33 - 80
	19125	5/32	4	1,000	305	White	7	.58	46 - 110
	19150	3/16	5	1,000	305	White	11	.58	68 - 164
	19200	7/32	5.5	1,000	305	White	14	1.13	79 - 190
	19250	1/4	6	1,000	305	White	18	1.13	108 - 260
	19300	5/16	8	1,000	305	White	30	1.25	146 - 350
	19350	3/8	9	1,000	305	White	39	1.83	225 - 540
	19400	1/2	13	1,000	305	White	60	2.0	375 - 900

Solid Braid Polypropylene Rope (MFP) - Spool

Picture 13

Item #	* Diameter		* Length		Item	Lbs.	Cube	** Working Load	<p>Solid braid multifilament polypropylene (MFP) has a somewhat velvety appearance and feel. It is constructed of various bundles of fiber interlocked together in a circular braided pattern. The name solid braid refers to the special lock-stitch construction. This is a floating rope and is rot proof and unaffected by water, oil, gasoline and most chemicals. Natural white color is standard, but other colors are available.</p>
#	In	mm	Feet	Meter	Color	Each	Each	Limits (Lbs.)	
19510	1/8	3	1,000	305	White	5	.26	18 - 43	
19550	3/16	5	1,000	305	White	7.5	.58	52 - 125	
19600	1/4	6	1,000	305	White	12.5	1.13	85 - 204	
42888	5/16	8	1,000	305	White	19	1.25	124 - 298	
* Other sizes available upon request					** Do not exceed Working Load Limits : See Page 19				

Diamond Braid Nylon Rope - Spool

Picture 18

<p>Diamond braid is constructed with strands of fiber braided over and under each other in a circular direction. The middle of the rope has a center core of parallel fibers. This braid is generally stronger than solid braid, but not as strong as twisted or double braid.</p> <p>* Other sizes available upon request ** Do not exceed Working Load Limits - See Page</p>	Item #	* Diameter		* Length		Item	Lbs.	Cube	** Working Load
	#	In	mm	Feet	Meter	Color	Each	Each	Limits (Lbs.)
	20150	1/8	3	1,000	305	White	4	.255	30 - 74
	20202	5/32	4	1,000	305	White	5.6	.58	47 - 114
	20250	3/16	5	1,000	305	White	7.7	.58	62 - 150
	20300	7/32	5.5	1,000	305	White	11	1.13	83 - 200
	20350	1/4	6	1,000	305	White	15	1.13	102 - 245
	20400	5/16	8	1,000	305	White	25	1.25	154 - 370
	20360	3/8	9	1,000	305	White	38	1.83	221 - 530
	20370	1/2	13	1,000	305	White	61	2.0	392 - 940

Diamond Braid Polyester Rope - Spool

Picture 29

Item #	* Diameter		* Length		Item	Lbs.	Cube	** Working Load	<p>This rope is constructed with strands of polyester fiber braided over and under each other in a circular direction. Polyester is a very strong synthetic with excellent abrasion resistance. Diamond braid polyester does not have the stretch and elasticity of diamond braid nylon.</p> <p>* Other sizes available upon request ** Do not exceed Working Load Limits - See Page</p>
#	In	mm	Feet	Meter	Color	Each	Each	Limits (Lbs.)	
20809	1/8	3	1,000	305	White	4.2	.255	32 - 77	
20819	5/32	4	1,000	305	White	6	.58	46 - 111	
20822	3/16	5	1,000	305	White	8	.58	60 - 144	
20824	7/32	5.5	1,000	305	White	12	1.13	71 - 171	
20826	1/4	6	1,000	305	White	15.4	1.13	83 - 198	
20799	5/16	8	1,000	305	White	25.7	1.25	120 - 288	
20800	3/8	9	1,000	305	White	39	1.83	150 - 360	
22415	1/2	13	1,000	305	White	60	2.0	330 - 792	

Diamond Braid Polypropylene Rope (MFP) - Spool

Item	* Diameter		* Length		Item	Lbs.	Cube	** Working Load
#	In	mm	Feet	Meter	Color	Each	Each	Limits (Lbs.)
20827	1/8	3	1,000	305	White	3	.26	14 - 33
20832	5/32	4	1,000	305	White	4.7	.58	21 - 51
20835	3/16	5	1,000	305	White	6.5	.58	30 - 73
20838	7/32	5.5	1,000	305	White	8.9	1.13	41 - 97
20840	1/4	6	1,000	305	White	11.7	1.13	53 - 126
20845	5/16	8	1,000	305	White	18.1	1.23	81 - 194
20850	3/8	9	1,000	305	White	25.9	1.83	96 - 230

This cord is constructed with 8 strands of multifilament polypropylene braided over and under each other in a circular direction. This construction permits a core (inside) fiber to be used for the purpose of adding strength. Multifilament polypropylene has a somewhat velvety appearance and feel.

* Other sizes available upon request ** Do not exceed Working Load Limits : See Page 19

Econobraid® Polyester Cord - Spool

Picture 20

	Item	* Diameter		* Length		Item	Lbs.	Cube	** Working Load
	#	In	mm	Feet	Meter	Color	Each	Each	Limits (Lbs.)
Econobraid polyester has a low stretch polyester jacket with a polyester/ polypropylene blend core. This fiber combination has several main advantages: the polyester lends a high tensile strength, weather resistance, and abrasion resistance to the cord, while the polypropylene adds bulk and ensures its economy. Econobraid is also resistant to mold, rot and mildew. Econobraid polyester is an all-purpose cord with an unlimited amount of commercial applications.	20500	1/8	3	1,000	305	White	4	.255	18 - 44
	20550	5/32	4	1,000	305	White	7.49	.58	31 - 74
	20600	3/16	5	1,000	305	White	9.15	.58	38 - 92
	20650	7/32	5.5	1,000	305	White	14.34	1.13	49 - 118
	20700	1/4	6	1,000	305	White	16.67	1.13	63 - 150
	20750	5/16	8	1,000	305	White	26.10	1.23	95 - 227

* Other sizes available upon request ** Do not exceed Working Load Limits : See Page 19

Standard Cotton Sash Cord with Synthetic Fiber Core - Spool

Picture 5

Item	* Diameter		* Length		Item	Lbs.	Cube	** Working Load
#	In	mm	Feet	Meter	Color	Each	Each	Limits (Lbs.)
23150	3/16	5	1,000	305	Natural	8	.58	13 - 32
23250	7/32	5.5	1,000	305	Natural	11	1.13	33 - 80
23350	1/4	6	1,000	305	Natural	15	1.13	41 - 99
23500	5/16	8	1,000	305	Natural	22	1.23	63 - 150
23650	3/8	9	1,000	305	Natural	32	1.83	88 - 210
23800	1/2	13	1,000	305	Natural	44	1.83	116 - 280

A firm round lockstitch cotton braid with a glazed finish. A synthetic fiber core makes this cord twice as strong as pure cotton. For handling quality, cotton is hard to beat. It is soft and pliable and easy on the hands. Cotton sash cord is an all-purpose cord with unlimited applications.

* Other sizes available upon request ** Do not exceed Working Load Limits : See Page 19

Premium Cotton Sash Cord with Synthetic Fiber Core - Spool

Picture 5

	Item	* Diameter		* Length		Item	Lbs.	Cube	** Working Load
	#	In	mm	Feet	Meter	Color	Each	Each	Limits (Lbs.)
This is our premium quality sash cord. Solid braided cotton with a synthetic core. Polished for better abrasion resistance, the tough synthetic core adds strength and reduces stretch to give you a firm yet flexible grip. For handling quality, cotton is hard to beat. It is soft and pliable and easy on the hands. Ideal for pulleys, sheaves, light duty tie-downs, halyards and light industrial needs.	22910	3/16	5	1,000	305	Natural	9	.58	20 - 48
	22912	7/32	5.5	1,000	305	Natural	14	1.13	37 - 88
	22914	1/4	6	1,000	305	Natural	17	1.13	63 - 150
	22916	5/16	8	1,000	305	Natural	29	1.23	100 - 240
	22918	3/8	9	1,000	305	Natural	39	1.83	123 - 295
	22920	1/2	13	1,000	305	Natural	45	1.83	142 - 340

* Other sizes available upon request ** Do not exceed Working Load Limits : See Page 19



Nylon Venetian Blind and Awning Cord - Spool

Picture 18

Item	* Size		* Length		Item	Lbs.	Cube	** Working Load
#	In	#	Feet	Meter	Color	Each	Each	Limits (Lbs.)
24051	3/32	3	3,000	914	White	6	.75	19 - 45
24052	7/64	3½	3,000	914	White	9	.75	24 - 59
24055	1/8	4	3,000	914	White	12	.75	30 - 74
24554	9/64	4½	3,000	914	White	14	.75	39 - 95
24061	5/32	5	3,000	914	White	17	1.75	47 - 113
24064	11/64	5½	3,000	914	White	19	1.75	56 - 135
24067	3/16	6	3,000	914	White	23	1.75	66 - 158

Constructed with a tighter locking interlacing of nylon yarns. This construction permits core fibers to be used for the purpose of adding strength. This old time favorite is specially made for venetian blinds and awnings, but it's great for a lot more. Use this diamond braided cord for a variety of applications.

* Other sizes available upon request

** Do not exceed Working Load Limits : See Page 19

Cotton Venetian Blind and Awning Cord - Spool

	Item	* Size		* Length		Item	Lbs.	Cube	** Working Load
	#	In	#	Feet	Meter	Color	Each	Each	Limits (Lbs.)
Constructed with a tighter locking interlacing of cotton yarns, this construction permits core fibers to be used for the purpose of adding strength. This old time favorite is specially made for venetian blinds and awnings, but it's great for a lot more. Use this diamond braided cord for a variety of applications. White, glazed, polished finish.	23810	3/32	3	1,500	457	Natural	3.5	.38	5 - 15
	42960	3/32	3	3,000	914	Natural	7	.75	5 - 15
	23820	7/64	3½	1,500	457	Natural	4.0	.38	7 - 17
	23821	7/64	3½	3,000	914	Natural	8	.75	7 - 17
	23830	1/8	4	1,500	457	Natural	5.5	.38	8 - 20
	23850	9/64	4½	1,500	457	Natural	6.5	.38	10 - 24
	23900	5/32	5	1,500	457	Natural	7	.87	11 - 27
	23925	11/6	5½	1,500	457	Natural	8.5	.87	13 - 32
	23950	3/16	6	1,500	457	Natural	9	.87	18 - 45

* Other sizes available upon request

** Do not exceed Working Load Limits : See Page 19

Cotton Cable Cord (Cotton Seine Twine)

Picture 36

Item	* Size	* Length		Case	Item	Lbs.	Cube	** Working Load
#	#	Feet	Meter	Pack	Color	Each	Each	Limits (Lbs.)
47250	18	255	78	192	Natural	1/4	.01	3 - 7
47450	18	510	155	96	Natural	1/2	.03	3 - 7
47900	18	1,020	311	48	Natural	1	.05	3 - 7
47300	21	225	69	192	Natural	1/4	.01	2 - 6
47500	21	450	137	96	Natural	1/2	.03	2 - 6
47550	24	390	119	96	Natural	1/2	.03	4 - 9
48000	24	780	238	48	Natural	1	.05	4 - 9
47600	30	300	91	96	Natural	1/2	.03	5 - 8
48050	30	600	183	48	Natural	1	.05	5 - 8
47650	36	255	78	96	Natural	1/2	.03	6 - 14
48100	36	510	155	48	Natural	1	.05	6 - 14
47700	48	188	57	96	Natural	1/2	.03	7 - 17
47750	60	140	43	96	Natural	1/2	.03	9 - 22
48225	72	255	78	48	Natural	1	.05	10 - 25

Made from strong, high quality twisted poly cotton yarn. For handling quality this twine is hard to beat. It is soft and pliable and easy on the hands. This twine is used for seine twine, chalk, and mason line. Natural unpolished finish holds chalk.

Other sizes also available.

* Other sizes available upon request

** Do not exceed Working Load Limits : See Page 19



Cotton Twine - Cone / Ball

Picture 36

Item #	* Size Ply	* Length		Case Pack	Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)
48250	4	1,235	377	192	Natural	¼	.01	1 - 2
48251	4	2,470	753	96	Natural	½	.03	1 - 2
32401	4	9,878	3,011	25	Natural	2	.10	1 - 2
32400	4	12,348	3,764	20	Natural	2½	.12	1 - 2
32402	4	24,695	7,527	12	Natural	5	.25	1 - 2
48301	6	823	251	192	Natural	¼	.01	1 - 3
48600	6	1,646	502	96	Natural	½	.03	1 - 3
32420	6	6,585	2,008	25	Natural	2	.10	1 - 3
32450	6	8,231	2,510	20	Natural	2½	.12	1 - 3
32850	6	16,402	5,000	12	Natural	5	.25	1 - 3
48350	8	617	188	192	Natural	¼	.01	2 - 4
48650	8	1,235	377	96	Natural	½	.03	2 - 4
32520	8	4,939	1,506	25	Natural	2	.10	2 - 4
32500	8	6,174	1,883	20	Natural	2½	.12	2 - 4
32900	8	12,348	3,764	12	Natural	5	.25	2 - 4
49048	12	412	126	192	Natural	¼	.01	3 - 6
49049	12	823	251	96	Natural	½	.03	3 - 6
32534	12	3,293	1,004	25	Natural	2	.10	3 - 6
32600	12	4,116	1,255	20	Natural	2½	.12	3 - 6
32950	12	8,232	2,509	12	Natural	5	.25	3 - 6
34271	16	309	94	192	Natural	¼	.01	3 - 8
48800	16	617	188	96	Natural	½	.03	3 - 8
32655	16	2,470	753	25	Natural	2	.10	3 - 8
32650	16	3,087	942	20	Natural	2½	.12	3 - 8
33000	16	6,174	1,881	12	Natural	5	.25	3 - 8
48500	24	206	63	192	Natural	¼	.01	5 - 12
32741	24	412	126	96	Natural	½	.03	5 - 12
32749	24	1,646	502	25	Natural	2	.10	5 - 12
32750	24	2,058	628	20	Natural	2½	.12	5 - 12
33100	24	4,116	1,255	12	Natural	5	.25	5 - 12

This soft, unpolished, natural cotton blend twine is a medium weight twine that handles well and knots easily.

It is the preferred choice for general use in tying packages. Other popular uses include: recycling, handyman tasks, kitchen use, craft projects, and gardening.

Cotton twine is able to absorb high amounts of water. It is the only fiber known that increases in strength with more moisture content .

The cones are ideal for automatic tying machines.

* Other sizes available upon request

** Do not exceed Working Load Limits : See Page 19

Polished Cotton Twine - Ball

Picture 36

Polished cotton twine is glazed for a smoother finish and better moisture resistance. This twine is run through a gum and pigment polish to give it a gloss. It is made from strong, high quality, twisted poly cotton yarn. Being a natural fiber, it does not have the strength or durability of synthetic twines.	Item #	* Size #	* Length		Case Pack	Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)
		48901	4.5	400	122	54	Natural	1	.05
	48956	6	320	98	54	Natural	1	.05	6 - 23
	48921	18	690	210	108	Natural	1/2	.03	3 - 7
	48925	24	500	152	108	Natural	1/2	.03	4 - 10
	48905	60	270	82	108	Natural	1/2	.03	8 - 20
	32840	60	500	152	54	Natural	1	.05	8 - 20

* Other sizes available upon request

** Do not exceed Working Load Limits - See Page



Twisted Nylon Seine Twine (White) - Tube

Picture 38

Twisted nylon seine twine, made of continuous filament, is strong and nearly indestructible. Excellent for tying, it resists mildew, rot, abrasion, oil, grease and most chemicals. Also known as masons twine. * Other sizes available upon request ** Do not exceed Working Load Limits - See Page	Item	* Size	* Length		Case	Item	Pound	Cube	** Working Load
	#	#	Feet	Meter	Pack	Color	Each	Each	Limits (Lbs.)
	49350	18	275	84	12	White	1/4	.01	15 - 36
	49950	18	550	168	24	White	1/2	.03	15 - 36
	50650	18	1,100	335	12	White	1	.05	15 - 36

Twisted Nylon Seine Twine (Colors) - Tube

Picture 38

Twisted nylon seine twine, made of continuous filament, is strong and nearly indestructible. Excellent for tying, it resists mildew, rot, abrasion, oil, grease and most chemicals. Also known as masons twine. * Ask about other colors and sizes. ** Do not exceed Working Load Limits - See Page	Item	* Size	* Length		Case	* Item	Pound	Cube	** Working Load
	#	#	Feet	Meter	Pack	Color	Each	Each	Limits (Lbs.)
	49354	18	275	84	48	Pink	1/4	.01	15 - 36
	49952	18	550	168	24	Pink	1/2	.03	15 - 36
	50656	18	1,100	335	12	Pink	1	.05	15 - 36
	49353	18	275	84	48	Yellow	1/4	.01	15 - 36
	49955	18	550	168	24	Yellow	1/2	.03	15 - 36
	50655	18	1,100	335	12	Yellow	1	.05	15 - 36

Braided Nylon Seine Twine (White) - Tube

Picture 38

This twine has a smooth braided jacket that resists abrasion and holds chalk extra well. Also known as masons twine. Nylon construction lasts longer than cotton and resists rot, mildew, oil, grease and most chemicals. * Other sizes available upon request ** Do not exceed Working Load Limits - See Page	Item	* Size	* Length		Case	Item	Lbs.	Cube	** Working Load
	#	#	Feet	Meter	Pack	Color	Each	Each	Limits (Lbs.)
	51580	18	275	84	24	White	1/4	.01	13 - 31
	51590	18	550	168	24	White	1/2	.03	13 - 31
	51599	18	1,100	335	24	White	1	.05	13 - 31

Braided Nylon Seine Twine (Colors) - Tube

Picture 38

This twine has a smooth braided jacket that resists abrasion and holds chalk extra well. Also known as masons twine. Nylon construction lasts longer than cotton and resists rot, mildew, oil, grease and most chemicals. * Ask about other colors and sizes. ** Do not exceed Working Load Limits - See Page	Item	* Size	* Length		Case	* Item	Lbs.	Cube	** Working Load
	#	#	Feet	Meter	Pack	Color	Each	Each	Limits (Lbs.)
	51583	18	250	76	48	Pink	1/4	.01	13 - 31
	49952	18	550	168	24	Pink	1/2	.03	13 - 31
	50656	18	1,100	335	12	Pink	1	.05	13 - 31
	51584	18	250	76	48	Yellow	1/4	.01	13 - 31
	49955	18	550	168	24	Yellow	1/2	.03	13 - 31
	50655	18	1,100	335	12	Yellow	1	.05	13 - 31

Sisal Twine Medium - Tube

Picture 28

Sisal fibers are twisted into a smooth, strong, moisture-resistant twine. It is easy to tie and holds knots well. The twine is soft enough that it won't cut the edges of a package. Excellent for corrugated boxes, newspapers, hides, lath and lumber. Knot strength is approximately 50% of breaking strength. Totally biodegradable. * Other sizes available upon request ** Do not exceed Working Load Limits - See Page	Item	* Size	* Length		Item	Lbs.	Cube	** Working Load
	#	Ply	Feet	Meter	Color	Each	Each	Limits (Lbs.)
	65044	1	500	152	Natural	1	.03	5 - 13
	32050	1	3,000	914	Natural	10	.58	5 - 13
	32100	1	15,000	4572	Natural	50	4.63	5 - 13
	32140	2	1,470	448	Natural	10	.58	11 - 26
	32200	2	7,350	2,240	Natural	50	4.63	11 - 26
	32250	3	970	296	Natural	10	.58	16 - 39
	32300	3	4,850	1,478	Natural	50	4.63	16 - 39



Sisal Binder Twine - Tube

Picture 28

Item	* Size	* Length	Case	Item	Lbs.	Weight	Cube	** Working Load	A twine made of the natural fiber sisal used for binding and other utility purposes. * Other sizes available upon request ** Do not exceed Working Load Limits - See Page 19
#	Ply	Feet	Pack	Color	Each	Per Bale	Each	Limits (Lbs.)	
35310	1	2,500	10-5lb. tubes	Natural	5	50 lb.	1.8	9 - 22	

Sisal Baler Twine

A single ply twine made from sisal that is used by farmers for tying bales of hay.

Item	* Feet	Feet	Tubes	Item	Knot	Weight	Cube	** Working Load
#	Per Ctn.	Per Lb.	Per Ctn.	Color	Strength	Per Carton	Each	Limits (Lbs.)
35450	7,200	185	2	Natural	160 lb.	40 lb.	2.75	35 - 85
35400	9,000	225	2	Natural	130 lb.	40 lb.	2.75	29 - 70
35350	10,000	255	2	Natural	125 lb.	40 lb.	2.75	27 - 65

* Other sizes available upon request
** Do not exceed Working Load Limits - See Page

Polypropylene Baler Twine

Item	* Feet	Feet	Tubes	Item	Knot	Weight	Cube	** Working Load	A single ply twine made of polypropylene that is used by farmers for tying bales of hay. This twine is UV treated, rot and mildew resistant and biologically harmless to livestock.
#	Per Ctn.	Per Lb.	Per Ctn.	Color	Strength	Per Carton	Each	Limits (Lbs.)	
35552	7,200	425	2	Black	170 lb.	17.0	2.75	35 - 85	
35504	9,000	550	2	Orange	130 lb.	19.5	2.75	45 - 110	

* Other sizes available upon request
** Do not exceed Working Load Limits : See Page 19

Polypropylene Tying Twine - Tube

Picture 41

Pliable but firm for easy tying and handling; this twine has a smooth clean surface that is kind to hands. The twine has high tensile and knotting strength with exceptional holding power. It resists rot, mildew, and insects. The twine has excellent uniformity with minimum stretch. It has no lubricant, stain, or gum coating treatment.

Also used to pull rope through conduit; this lightweight fibrillated twine resists tangling when being dispensed. Although this twine is not for pulling wire or cable, it is a good choice for use with power fishing systems. Available in a reusable plastic bucket.

Item	Item	Item	* Length		Item	Lbs.	Cube	** Working Load
#	Ply	* Size	Feet	Meter	Color	Each	Each	Limits (Lbs.)
33450	1	350	3,500	1,067	White	10	.67	27 - 65
33400	1	450	4,500	1,372	White	10	.67	22 - 52
33350	1	550	5,500	1,676	White	10	.67	18 - 42
33300	1	650	6,500	1,981	White	10	.67	15 - 36
33250	1	850	8,500	2,591	White	10	.67	11 - 27
33200	1	1,050	10,500	3,200	White	10	.67	9 - 22
33550	2	550	2,722	830	White	10	.67	33 - 80
33310	2	650	3,218	981	White	10	.67	29 - 68
33500	2	850	4,208	1,283	White	10	.67	21 - 51
33202	2	1,050	5,198	1,584	White	10	.67	17 - 42
33650	3	550	1,815	553	White	10	.67	50 - 120
33315	3	650	2,144	653	White	10	.67	43 - 103
33600	3	850	2,805	855	White	10	.67	32 - 77
33204	3	1,050	3,465	1,056	White	10	.67	26 - 63

* Other sizes available upon request
** Do not exceed Working Load Limits - See Page

California Truck Rope - Mini Coils

Picture 6

Item	* Diameter		* Length		Item	Lbs.	Cube	** Working Load	This rope meets California state trucking codes. It has all the qualities of polypropylene, plus ultraviolet inhibitors for longer life. Good abrasion resistance and high strength make it excellent for tie-downs. It is also unaffected by water and able to float. Color is black with a bright orange surface marker. * Other sizes available upon request ** Do not exceed Working Load Limits - See Page 19
#	In	mm	Feet	Meter	Color	Each	Each	Limits (Lbs.)	
37555	1/4	6	50	15	Black/Orange Tracer	.6	.039	94 - 225	
37565	1/4	6	100	30	Black/Orange Tracer	1.2	.079	94 - 225	
35151	3/8	9	50	15	Black/Orange Tracer	1.4	.069	203 - 486	
37575	3/8	9	100	30	Black/Orange Tracer	2.8	.138	203 - 486	
35153	1/2	13	50	15	Black/Orange Tracer	2.3	.127	315 - 756	
35154	1/2	13	100	30	Black/Orange Tracer	4.6	.255	315 - 756	

3 Strand Twisted Polypropylene - Mini Coils

Picture 4

This premium general purpose rope is lightweight, strong and used extensively for most rope requirements. This synthetic rope is easier to handle than natural fiber rope. It floats, is rot proof, unaffected by water, oil, gasoline, and most chemicals. The lightest rope we offer; it is nearly twice as strong as manila. This monofilament fiber polypropylene rope is spliceable and very smooth surfaced. Also known as laid rope. It is the most common rope construction for general purpose use. Although an ultraviolet (UV) inhibitor is added during the extrusion process; this rope loses strength depending on the amount of exposure to ultraviolet radiation.

Item #	* Diameter		* Length		Item	Lbs.	Cube	** Working Load Limits (Lbs.)
	In	mm	Feet	Meter	Color	Each	Each	
19133	1/4	6	50	15	Yellow	.6	.039	94 - 225
76463	1/4	6	100	30	Yellow	1.2	.079	94 - 225
19136	3/8	9	50	15	Yellow	1.4	.069	203 - 486
76464	3/8	9	100	30	Yellow	2.8	.138	203 - 486
19138	1/2	13	50	15	Yellow	2.3	.127	315 - 756
36540	1/2	13	100	30	Yellow	4.6	.255	315 - 756

Yellow is our standard color but is available in other colors.
 * Other sizes available upon request ** Do not exceed Working Load Limits : See Page 19

3 Strand Twisted Nylon - Mini Coils

Picture 1

Item #	* Diameter		* Length		Item	Lbs.	Cube	** Working Load Limits (Lbs.)
	In	mm	Feet	Meter	Color	Each	Each	
65032	1/4	6	50	15	White	.75	.039	124 - 297
65033	1/4	6	100	30	White	1.5	.079	124 - 297
19129	3/8	9	50	15	White	1.75	.069	270 - 648
65034	3/8	9	100	30	White	3.5	.138	270 - 648
19131	1/2	13	50	15	White	3.25	.127	473 - 1,134
38300	1/2	13	100	30	White	6.5	.253	473 - 1,134

The first synthetic fiber rope manufactured, nylon lasts as much as 10 times longer than manila rope and 5 times longer than polypropylene rope. This high strength resilient nylon rope has the ability to absorb sudden shock; as well as excellent flex and superb resistance to abrasion, chemicals, and marine organisms. Unaffected by mildew and rot it can be stored when wet. Some of the many uses include marine dock and anchor lines, in shipping and industrial work, vehicle tow rope, tie-downs, farm and livestock usage. This rope is easy to splice and is very common for general purpose use.

* Other sizes available upon request ** Do not exceed Working Load Limits : See Page 19

3 Strand Twisted Manila - Mini Coils

Picture 12

This premium grade, biodegradable, natural fiber rope provides good knot holding ability. Its natural texture provides a firm grip even when oiled. Manila has very low stretch compared to synthetic ropes and possesses excellent rendering qualities. With good resistance to internal and external wear, manila provides many uses for industrial, heavy marine, construction, roofing, lasso and lunging ropes. It is an excellent general use rope for home and farm, gymnasium climbing ropes and ornamental purposes.

Item #	* Diameter		* Length		Item	Lbs.	Cube	** Working Load Limits (Lbs.)
	In	mm	Feet	Meter	Color	Each	Each	
19140	1/4	6	50	15	Natural	1	.039	45 - 108
19141	1/4	6	100	30	Natural	2	.079	45 - 108
19142	3/8	9	50	15	Natural	2.05	.069	101 - 243
19143	3/8	9	100	30	Natural	4.1	.138	101 - 243
19144	1/2	13	50	15	Natural	3.75	.127	199 - 477
39000	1/2	13	100	30	Natural	7.5	.255	199 - 477

* Other sizes available upon request ** Do not exceed Working Load Limits : See Page 19

3 Strand Twisted Sisal - Mini Coils

Picture 9

Item #	* Diameter		* Length		Item	Lbs.	Cube	** Working Load Limits (Lbs.)
	In	mm	Feet	Meter	Color	Each	Each	
39130	1/4	6	50	15	Natural	1	.039	32 - 77
39150	1/4	6	100	30	Natural	2	.079	32 - 77
39300	3/8	9	50	15	Natural	2	.069	72 - 173
39350	3/8	9	100	30	Natural	4	.138	72 - 173
39400	1/2	13	50	15	Natural	3.8	.127	142 - 340
39450	1/2	13	100	30	Natural	7.6	.255	142 - 340

This low cost natural fiber rope has a rough texture which provides a firm grip and holds knots well. Fair to good surface and internal abrasion resistance makes sisal a good choice for general purpose jobs where moderate strength is required. It is lighter in color, softer, and more pliable than manila. Sisal rope is great for home, farm and utility use. It is also useful for zoological barriers, ornamental purposes, nursery supply, tie-down and tent lines. Sisal is a natural fiber that deteriorates rapidly when exposed to weather.

* Other sizes available upon request ** Do not exceed Working Load Limits : See Page 19



Derby Rope - Spools

Picture 13

Derby is a special solid braid line manufactured with bright multifilament polypropylene yarn. The color is mixed into the fiber as it is extruded, not dyed after production. Widely used for horse halters and leads, and as decorative barrier rope in theaters, banks, or anywhere crowd control is needed.

* Other sizes available upon request

** Do not exceed Working Load Limits - See Page

Item #	* Diameter		* Length		Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)
	In	mm	Feet	Meter				
32215	3/8	9	500	152	Blue	14	.90	150 - 360
32233	1/2	13	300	91	Blue	12.4	.50	195 - 466
32255	5/8	16	200	61	Blue	15.2	1.7	277 - 664

Stock Colors = Solids: Red, Green, Blue, Black - other colors are available.

Stripes: Red/White, Green/White, Blue/White, Black/White

Kernmantle

Picture 30

Item #	* Diameter		* Length		Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)
	In	mm	Feet	Meter				
21430	5/16	5	600	183	White	23	.58	350 - 840
21435	3/8	9	600	183	White	28	.83	475 - 1,140
21441	7/16	11	600	183	White	38	1.53	625 - 1,500
21446	1/2	13	600	183	White	43	1.53	833 - 2,000
21448	5/8	16	600	183	White	62	2.04	1,083 - 2,600

A kernmantle construction utilizing a polyester cover for the best abrasion resistance and durability, braided over an inner nylon core. Uses include high angle rescue, confined space rescue, repelling, caving, window cleaning and safety lines. These prices reflect the color white; although black, orange, red, and blue are available at a 15% upcharge.

Ropes are certified to 1983 N.F.P.A.

* Other sizes available upon request

** Do not exceed Working Load Limits : See Page 19

Shock Cord (Stretch Cord) - Spool

Picture 33

Shock cord is an elastic cord used for tie-down purposes, snubbing gear, etc. Made of an elastic rubber core with a braided synthetic fiber jacket. Available in many colors. White and black are standard.

WARNING: All products are subject to failure when exposed to extremely high stress or incorrect usage. AAmstrand Ropes and Twines Inc. is not responsible for serious personal injury or property damage.

Item #	* Diameter		* Length		Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)
	In	mm	Feet	Meter				
21233	1/8	3	1,000	305	White/Black Tracer	8	.255	8 - 20
21206	3/16	5	1,000	305	White/Black Tracer	12	.58	17 - 40
21251	1/4	6	1,000	305	White/Black Tracer	21	1.13	25 - 60
21300	5/16	8	500	152	White/Black Tracer	17	.58	29 - 70
21346	3/8	9	300	91	White/Black Tracer	18	.42	33 - 80
21380	1/2	13	150	46	White/Black Tracer	15	.38	38 - 90

* Other sizes available upon request

** Do not exceed Working Load Limits : See Page 19

Cargo Net - (Shock Cord Netting)

Item #	* Dia In	* Size		No. of Hooks	Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)
		Width	Length					
21417	1/4	25"	32"	16	Multi	1	.25	25 - 60
21415	1/4	40"	50"	16	Multi	3	.75	25 - 60
21413	1/4	72"	96"	32	Multi	5	1	25 - 60

* Other sizes available upon request

** Do not exceed Working Load Limits : See Page 19

Keep tarps and bulky loads under control. This polypropylene covered rubber netting stretches and contracts for constant tension on your valuable cargo. Great for 1/4 and 1/2 ton pickup trucks and trailers. Netting has break-resistant plastic hooks, so it's easy to attach. Cord diameter is 1/4". Multicolored.

Paraline - Spool

Picture 26

Paraline is made with a 100% nylon outer sleeve which covers a parallel layered core. Paraline has a soft feel while maintaining a very high strength. The strength and durability of this finely braided, flexible cord makes it one of our top sellers. Also known as parachute cord.

* Other sizes available upon request

** Do not exceed Working Load Limits - See Page

Item #	Item * Size	* Length		Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)
		Feet	Meter				
20070	650	1,000	305	Black	4	.60	25 - 60
20072	650	1,000	305	Pink	4	.60	25 - 60
20074	650	1,000	305	Turquoise	4	.60	25 - 60
20075	650	1,000	305	White	4	.60	25 - 60
20080	650	1,000	305	Neon Orange	4	.60	25 - 60
20085	650	1,000	305	Neon Yellow	4	.60	25 - 60

Polypropylene Webbing (Lightweight) - Roll

Picture 33

Item	* Diameter		* Length		Item	Lbs.	Cube	** Working Load
#	In	mm	Yards	Meter	Color	Each	Each	Limits (Lbs.)
29992	1/2	13	100	91	Black	1.4	.10	25 - 60
30022	5/8	16	100	91	Black	1.7	.20	31 - 75
30023	3/4	19	100	91	Black	2.05	.20	38 - 90
30025	1	24	100	91	Black	2.80	.20	50 - 120
30034	1-1/2	37	100	91	Black	3.9	.28	63 - 150
30029	2	48	100	91	Black	5.6	.38	100 - 240
30030	3	72	100	91	Black	8.2	.56	150 - 360

Polypropylene webbing is a strong, narrow, closely woven tape designed for bearing weight and is used for straps, harnesses, or upholstery. This webbing floats.

Stock numbers reflect the color black; although a wide variety of colors are available.

* Other colors and sizes available upon request ** Do not exceed Working Load Limits : See Page 19

Polypropylene Webbing (Heavyweight) - Roll

Picture 33

	Item	* Diameter		* Length		Item	Lbs.	Cube	** Working Load
	#	In	mm	Yards	Meter	Color	Each	Each	Limits (Lbs.)
Polypropylene webbing is a strong, narrow, closely woven tape designed for bearing weight and is used for straps, harnesses, or upholstery. This webbing floats.	29994	1/2	13	100	91	Black	2.2	.10	41 - 98
	29996	5/8	16	100	91	Black	2.6	.20	51 - 122
	29997	3/4	19	100	91	Black	3.3	.20	77 - 184
	30005	1	24	100	91	Black	4.4	.20	82 - 196
	30014	1-1/2	37	100	91	Black	5.6	.28	123 - 294
	30006	2	48	100	91	Black	7.3	.38	163 - 392
	30012	3	72	100	91	Black	9.0	.56	246 - 589
	Stock numbers reflect the color black; although a wide variety of colors are available.								

* Other colors and sizes available upon request ** Do not exceed Working Load Limits : See Page 19

Polyester Wire Center Cord - Spool

Picture 20

Item	* Diameter		* Length		Item	Lbs.	Cube	** Working Load
#	In	mm	Feet	Meter	Color	Each	Each	Limits (Lbs.)
43776	1/4	6	1,000	305	White	24	.49	83 - 200
43778	5/16	8	500	152	White	14	.33	83 - 200
43777	5/16	8	1,000	305	White	27	1.03	83 - 200
43782	3/8	9	500	152	White	20	.75	83 - 200
43780	3/8	9	1,000	305	White	38	1.42	83 - 200

Manufacturing with 100% polyester provides a tight construction with a firm feel. With other types of wire center cord the wire can easily be separated from its jacket. Not with ours; the jacket cinches tightly around the wire core. Other advantages include: superior abrasion resistance, weather and UV resistance, resistance to chemicals, mold, mildew, and rot. Uses include flagpole halyards, slings, hoisting and rigging.

* Other sizes available upon request ** Do not exceed Working Load Limits : See Page 19

Solid Braid Nylon Wire Center Cord - Spool

Picture 7

	Item	* Diameter		* Length		Item	Lbs.	Cube	** Working Load
	#	In	mm	Feet	Meter	Color	Each	Each	Limits (Lbs.)
Manufactured with bundles of 100% nylon interlocked together and braided over 3/32" aircraft cable in a circular pattern.	18909	1/4	6	1,000	305	White	31	1.13	77 - 184
	18920	5/16	8	1,000	305	White	40	1.25	77 - 184
	18930	3/8	9	500	152	White	25	1.0	77 - 184
	18940	3/8	9	1,000	305	White	50	1.83	77 - 184

* Other sizes available upon request ** Do not exceed Working Load Limits : See Page 19



Nylon Seine Twine (Fish Line) - Tube

Picture 38

Item #	* Size #	* Length		Case Pack	Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)	This twine made of 100% filament nylon is strong, lightweight, and nearly indestructible. Excellent for tying; it resists mildew, rot, abrasion, oil, grease and most chemicals. Can be pulled with wire for the ability to add wires later. Specially wound to payout fast without tangles. Regular outside dispensing ball.
		Feet	Meter						
50495	6	3,750	1,143	12	White	1	.037	4 - 10	
50500	9	2,200	671	12	White	1	.037	7 - 17	
50550	12	1,750	533	12	White	1	.037	9 - 21	
50650	18	1,100	335	12	White	1	.037	15 - 36	

* Ask about other colors and sizes. ** Do not exceed Working Load Limits : See Page 19 Fax or email for pricing.

Waxed Polyester Twine - Tube

Picture 38

Manufactured specifically for tying telephone cable forms, binding and lacing. Also excellent for pulling small cable. * Other sizes available upon request ** Do not exceed Working Load Limits - See Page 19	Item #	* Size Ply	* Length		Case Pack	Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)
			Feet	Meter					
	51725	4	1,260	384	24	White	1/2	.021	5 - 11
51726	9	534	163	24	White	1/2	.021	10 - 23	

Waxed Linen Electrical Cord - Tube

Picture 38

Item #	* Size Ply	* Length		Case Pack	Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)	Used in the electrical and electronic industries, as well as for wrapping and tying. Made of multiple-ply prewaxed 100% pure linen threads. Has high tensile strength and good knot retention. Waxed finish is mildew resistant. Sold in 1-Lb tubes. Meets MIL Specifications MIL-T-713.
		Feet	Meter						
51750	12	900	274	24	Natural	1	.037	6 - 14	
51752	8	1,350	411	24	Natural	1	.037	4 - 10	
51754	6	1,800	549	24	Natural	1	.037	3 - 6	

* Other sizes available upon request ** Do not exceed Working Load Limits : See Page 19

Conduit Fish Line - Spool

This polyester twine is specially wound on a spool for fast payout. Polyester's slippery finish makes for easy pulling. * Other sizes available upon request ** Do not exceed Working Load Limits - See Page	Item #	* Size #	* Length		Case Pack	Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)
			Feet	Meter					
	59962	9	2,200	671	12	White	1	.04	8 - 20

Conduit Measuring Tape - Spool

Item #	* Size Width	* Length		Case Pack	Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)	Waterproof polyester construction. Foot measurements printed every foot from 0 to 3,000 ft. * Other sizes available upon request ** Do not exceed Working Load Limits - See Page
		Feet	Meter						
52435	3/16"	3,000	914	4	White	3.4	.255	10 - 26	

House Line -Tubeless

Manufactured specifically for tying telephone cable forms, lacing and binding. Also excellent for pulling small cable. Emulsion treated. * Other sizes available upon request ** Do not exceed Working Load Limits - See Page 19	Item #	* Size Ply	* Length		Case Pack	Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)
			Feet	Meter					
	59992	4	560	171	12	White	1	.04	24 - 58
59994	4	5,600	1,707	1	White	10	.61	24 - 58	

12 Strand Polyester Stringing Lines - Spool

Picture 3

Item #	* Diameter In	* Length		Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)	Made from 100% high tenacity polyester. This single braid construction provides very low stretch and high strength. The parallel aligned fibers and low braid angle give this product, size for size, higher strength than other constructions. Coated in a variety of colors for abrasion resistance and line identification. Easily spliced, torque-free, and does not rotate under load. Excellent dielectric properties. Also known as transmission and distribution pulling lines. * Other sizes and colors available upon request ** Do not exceed Working Load Limits - See Page	
	mm	Feet	Meter						
13792	3/8	9	600	183	White	25.2	1.8		533 - 1,280
13794	1/2	13	600	183	White	51	1.8		1,020 - 24,48
13796	5/8	16	600	183	White	78.6	5.0		1,500 - 3,600
13798	3/4	19	600	183	White	103.2	5.0		2,000 - 4,800
13710	1	24	600	183	White	207.5	6		3,750 - 9,000
13720	1-1/8	28	600	183	White	240	7	3,958 - 9,500	

3 Strand Twisted Polyester Pulling Rope - (For Low Force Cable Pullers) - Spool Picture 14

Item #	* Diameter		* Length		Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)
	In	mm	Feet	Meter				
12668	3/8	9	100	30	White	4.39	.126	242 - 580
12669	3/8	9	300	91	White	13.09	.38	242 - 580
12670	3/8	9	600	183	White	26	.83	242 - 580
12671	3/8	9	1,200	366	White	52	1.66	242 - 580
12672	1/2	13	300	91	White	23	.80	424 - 1,017
12673	1/2	13	600	183	White	46	1.53	424 - 1,017
12674	1/2	13	1,200	366	White	92	3.06	424 - 1,017
12675	5/8	16	300	91	White	36	1.0	652 - 1,565
12676	5/8	16	600	183	White	72	2.04	652 - 1,565
12677	5/8	16	1,200	366	White	144	4.08	652 - 1,565
12678	3/4	19	300	91	White	52	1.52	933 - 2,240
12679	3/4	19	600	183	White	103	2.60	933 - 2,240
12680	3/4	19	1,200	366	White	207	6.06	933 - 2,240

This strong synthetic fiber is low stretch and is resistant to ultraviolet deterioration. It is rot and mildew resistant giving it great weather resistance abilities. Low water absorbency means minimal strength loss when wet. Used in low force cable pullers.

Select a rope with an average breaking strength at least four times the rated capacity of your puller (rope safety factor). A safety factor of 4:1 minimum or greater than 4:1 is REQUIRED for pulling inside of raceways with a minimum of rope length exposed. Higher safety factors are recommended if the pulling rope is exposed! Spliced eyes on both ends.

ROPE SAFETY= FACTOR $\frac{\text{ROPE AVERAGE BREAKING STRENGTH}}{\text{MAXIMUM PULL FORCE DEVELOPED BY YOUR CABLE PULLER}}$

* Other sizes available upon request ** Do not exceed Working Load Limits : See Page 19

Double Braid Polyester Pulling Rope - Spool Picture 25

Item #	* Diameter		* Length		Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)
	In	mm	Feet	Meter				
22630	9/16	14	300	91	White	30.3	1.08	896 - 2,150
22631	9/16	14	600	183	White	60.6	1.99	896 - 2,150
22632	9/16	14	1,200	366	White	121.2	4.4	896 - 2,150
22633	3/4	19	300	91	White	53.7	1.5	1,450 - 3,480
22634	3/4	19	600	183	White	107.4	3.0	1,450 - 3,480
22635	3/4	19	1,200	366	White	214.9	6.9	1,450 - 3,480
22636	7/8	22	300	91	White	73.2	2.9	2,000 - 4,800
22637	7/8	22	600	183	White	146.4	5.5	2,000 - 4,800
22638	7/8	22	1,200	366	White	292.8	11.6	2,000 - 4,800

Braided inner core with an extra braided outer jacket for added strength and less stretch. Special double braided construction produces a firm, round, strong construction greatly reducing abrasion . Excellent for pulling lines and stringing lines. Select a rope with an average breaking strength at least four times the rated capacity of your puller (rope safety factor). A safety factor of 4:1 minimum or greater than 4:1 is REQUIRED for pulling inside of raceways with a minimum of rope length exposed. Higher safety factors are recommended if the pulling rope is exposed! Spliced eyes on both ends.

ROPE SAFETY= FACTOR $\frac{\text{ROPE AVERAGE BREAKING STRENGTH}}{\text{MAXIMUM PULL FORCE DEVELOPED BY YOUR CABLE PULLER}}$

* Other sizes available upon request ** Do not exceed Working Load Limits : See Page 19

Polypropylene Pull Line - Bucket Picture 37

Item #	Item Size	* Length		Item Package	Item Color	Lbs. Each	Cube Each	** Working Load Limits (Lbs.)
		Feet	Meter					
52315	650	6,500	1,981	Bucket	Blue	10	.67	18 - 42
52316	650	6,500	1,981	Carton	Blue	10	.67	18 - 42
52317	520	5,200	1,585	Bucket	Blue	10	.67	20 - 44
52318	520	5,200	1,585	Carton	Blue	10	.67	20 - 44
52319	220	2,200	671	Bucket	Blue	10	.67	40 - 96
52320	220	2,200	671	Carton	Blue	10	.67	40 - 96

Polypropylene provides high strength and is lightweight. This synthetic material provides low elasticity and good electrical resistance. Used to pull rope through conduit, this monofilament blue spiral wrap twine resists tangling when being dispensed. Although this twine is not for pulling wire or cable, its rot and mildew resistance make it a good choice for use with power fishing systems. Available in a reusable plastic bucket with handle and center pull for easy dispensing. Guaranteed break strength of 210 Lbs.

* Other sizes available upon request ** Do not exceed Working Load Limits : See Page 19

ROPE CHARACTERISTICS

Working Load Limits

The working load of a rope is determined by dividing the minimum breaking strength by the design factor. Design factors range from 5 to 12 for non-critical applications.

Because of the wide range of rope use, rope conditions, exposure to the several factors affecting rope behavior, and the degree of risk to life and property involved, it is not realistic to make standard recommendations as to working loads. However, to provide guidelines, a range of working loads are provided for rope in good condition with appropriate splices, in non-critical applications and under normal service conditions. Normal service is generally considered to be use under static or very modest dynamic load conditions.

Working loads at the high end of the suggested range should only be selected with expert knowledge of conditions and professional estimate of risk, based on the Critical Conditions of Use listed below.

Working loads at the low end of the range or lower should be used when the Critical Conditions of Use below apply:

CRITICAL CONDITIONS OF USE

1. Small ropes are used because they can be more severely damaged by cutting, abrasion and sunlight.
2. Loads are not accurately known.
3. Operators are poorly trained.

4. Operation/use procedures are not well defined and/or controlled.
5. Inspection is infrequent.
6. Abrasion, cutting, dirt are present.
7. Shock loads or extreme dynamic loadings are likely.
8. High temperatures are present.
9. Chemicals are present.
10. Ropes are kept in service indefinitely.
11. Tensions on the rope are maintained continuously for long periods.
12. Rope can be subject to sharp bends or is used over pulleys or surfaces with too small a radius.
13. If knots are used, strength is reduced by up to 50%.
14. Death, injury or loss of valuable property may result from failure.

For critical applications a design factor greater than 12 may be necessary. Users must determine the design factor as they are the only ones who can assess service conditions and establish operating procedures. The load applied to the rope must not exceed the working load. If uncertain, contact the rope manufacturer or a qualified engineering consultant for assistance.

IN ALL CASES WHERE ANY SUCH CONDITIONS ARE PRESENT, OR THERE IS ANY QUESTION ABOUT THE LOADS INVOLVED OR THE RISKS OF USE, THE WORKING LOAD SHOULD BE SUBSTANTIALLY REDUCED AND THE ROPE INSPECTED FREQUENTLY.

HOW TO SELECT THE RIGHT CORD AND ROPE MATERIALS

		Manila	Nylon	Polyester	Polypropylene	Spectra
Working Characteristics	Strength	Fair	Excellent	Excellent	Very Good	Excellent
	Shock Load	Poor	Excellent	Good	Very Good	Fair
	Surface Abrasion	Good	Very Good	Excellent	Fair	Fair
	Elasticity	Fair	Excellent	Good	Good	Fair
	Floats	No	No	No	Yes	No
Resistance to the following Conditions	Rot & Mildew	Poor	Excellent	Excellent	Excellent	Excellent
	Sunlight	Good	Good	Excellent	Poor	Excellent
	Oil & Gas	Fair	Excellent	Excellent	Very Good	Very Good
	Acids	Poor	Poor	Good	Good	Good
	Alkalides	Poor	Very good	Good	Good	Excellent

SERVICE LIFE FACTORS

	MANILA	SISAL	NYLON	POLYESTER	POLYPROPYLENE	POLYXTRA
Service Life Factor Manila = 1	1	.8	4 - 5	3 - 5	2 - 3	2 - 4
Cost per Pound Manila = 100	100	55	187	178	102	153
Cost per Foot Manila = 100	100	55	179	201	68	126
Cost per Foot with Service Life Factor Manila = 100	100	68	51	50	27	42
Cost per Foot with Working Strength Factor Manila = 100	100	69	113	163	52	117
Cost per Foot with Both Working Strength and Service Life Factors Manila = 100	100	87	32	40	21	39

NOTE: The information above is general and is provided with the intention of making it easier to select the cord or rope you need. When making your selection, be sure to apply sound engineering practices.

