MARINE

ANCHOR LINES

Available in a variety of diameters and lengths, these lines are spliced with thimbles or snap hooks to suit your specific needs.

- Available in peggable poly bags and...
- Sturdy peggable clam pack design

Clam Packs:





Poly Bag:









MARINE

FENDER LINES

Set of 2. Pre-spliced eye at one end. Choose from twisted $1/4'' \times 6'$ or braid over braid $3/8'' \times 6'$. Conveniently ready to use.

Clam Packs:







Poly Bag:







DOCK LINES

- Constructed of High Quality U.S. Made Fibers
- Every Unicord line is expertly hand-spliced
- New! Sturdy peggable clam pack design

Clam Packs:













Colors Available:



CARIBBEAN BLUE

Poly Bag:







PACKAGING

DOCK LINE BAGS

TWISTED NYLON DOCK LINES- WHITE W/ 12" LOOP

UPC I.D.	Dia. & Lgth.	Case Qty.
401505	5/16" x 15'	12
401512	3/8" x 10"	36
401529	3/8″ x 15′	24
401536	3/8" x 20"	24
401543	3/8" x 25"	24
401550	1/2" x 10"	24
401567	1/2" x 15"	24
401574	1/2" x 20"	20
401581	1/2" x 25"	18
401598	1/2" x 30"	12
402908	5/8" x 15"	12
401604	5/8″ x 20′	8
401611	5/8" x 25"	8
401628	5/8″ x 30′	8
401635	5/8″ x 35′	8

TWISTED NYLON DOCK LINES-ROYAL BLUE W/ 12" LOOP

UPC I.D.	Dia. & Lgth.	Case Qty.
402298	3/8" x 10"	36
402304	3/8″ x 15´	24
402311	3/8" x 20"	24
402328	3/8″ x 25′	24
402335	1/2″ x 10′	24
402342	1/2″ x 15´	24
402359	1/2″ x 20′	20
402366	1/2″ x 25′	18
402373	1/2″ x 30′	12
402991	5/8″ x 15´	12
402380	5/8″ x 20′	8
402397	5/8″ x 25′	8
402403	5/8″ x 30′	8
402410	5/8″ x 35´	8

TWISTED NYLON DOCK LINES - HUNTER GREEN W/ $12^{\prime\prime}$ LOOP

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UPC I.D.	Dia. & Lgth.	Case Qty.
402557	3/8" x 10"	36
402564	3/8″ x 15′	24
402571	3/8" x 201	24
402588	3/8" x 251	24
402595	1/2" x 10"	24
402601	1/2″ x 15′	24
402618	1/2" x 20'	20
402625	1/2″ x 25′	18
402632	1/2" x 30'	12
402984	5/8″ x 15′	12
402649	5/8″ x 20′	8
402656	5/8″ x 25′	8
402663	5/8″ x 30′	8
402670	5/8″ x 35′	8

TWISTED NYLON DOCK LINES-RED W/ 12" LOOP

UPC I.D.	Dia. & Lgth.	Case Qty.
401901	3/8" x 10"	36
401918	3/8″ x 15′	24
401925	3/8" x 20"	24
401932	3/8″ x 25′	24
401949	1/2″ x 10′	24
401956	1/2″ x 15´	24
401963	1/2" x 20"	20
401970	1/2" x 25"	18
401987	1/2" x 30"	12
402915	5/8″ x 15′	12
401994	5/8″ x 20′	8
402007	5/8″ x 25´	8
402014	5/8″ x 30′	8
402021	5/8″ x 35´	8

TWISTED NYLON DOCK LINES-NAVY BLUE W/ 12" LOOP

UPC I.D.	Dia. & Lgth.	Case Qty.
403004	3/8" x 10"	36
403011	3/8″ x 15´	24
403028	3/8″ x 20′	24
403035	3/8″ x 25′	24
403042	1/2″ x 10′	24
403059	1/2″ x 15′	24
403066	1/2″ x 20′	20
403073	1/2" x 25"	18
403080	1/2" x 30"	12
402922	5/8″ x 15′	12
403103	5/8″ x 20′	8
403110	5/8″ x 25′	8
403127	5/8″ x 30′	8
403134	5/8″ x 35´	8

TWISTED NYLON DOCK LINES-MAROON W/ 12" LOOP

UPC I.D.	Dia. & Lgth.	Case Qty.
402038	3/8" x 10"	36
402045	3/8″ x 15′	24
402052	3/8″ x 20′	24
402069	3/8″ x 25′	24
402076	1/2" x 10"	24
402083	1/2″ x 15′	24
402090	1/2″ x 20′	20
402106	1/2" x 25"	18
402113	1/2" x 30"	12
402946	5/8″ x 15′	12
402120	5/8″ x 20′	8
402137	5/8″ x 25′	8
402144	5/8″ x 30′	8
402151	5/8″ x 35′	8

TWISTED NYLON DOCK LINES - BLACK W/ 12" LOOP

		,
UPC I.D.	Dia. & Lgth.	Case Qty.
402427	3/8" x 10	36
402434	3/8″ x 15′	24
402441	3/8" x 20"	24
402458	3/8″ x 25′	24
402465	1/2″ x 10′	24
402472	1/2″ x 15′	24
402489	1/2″ x 20′	20
402496	1/2″ x 25′	18
402502	1/2″ x 30′	12
402953	5/8″ x 15´	12
402519	5/8″ x 20′	8
402526	5/8″ x 25′	8
402533	5/8″ x 30′	8
402540	5/8″ x 35′	8

BRAIDED NYLON DOCK LINES -WHITE W/ 12" LOOP

UPC I.D.	Dia. & Lgth.	Case Qty.
400010	3/8" x 10"	36
400027	3/8" x 15"	24
400034	3/8" x 20"	24
400041	3/8" x 25"	24
400058	1/2″ x 10′	24
400065	1/2" x 15	24
400072	1/2″ x 20′	20
400089	1/2" x 25	18
400096	1/2" x 30"	12
402816	1/2" x 35	12
402700	5/8″ x 15′	12
400102	5/8″ x 20′	8
400119	5/8" x 25"	8
400126	5/8″ x 30′	8
400133	5/8" x 35'	8



DOCK LINE BAGS

BRAIDED NYLON DOCK LINES - MAROON W/	12″ I	LOOP
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UPC I.D.	Dia. & Lgth.	Case Qty.
400935	3/8" x 10"	36
400942	3/8″ x 15′	24
400959	3/8" x 20"	24
400966	3/8″ x 25′	24
400973	1/2″ x 10′	24
400980	1/2″ x 15′	24
400997	1/2" x 20	20
401000	1/2″ x 25′	18
401017	1/2" x 30'	12
402793	1/2″ x 35′	12
402687	5/8″ x 15´	12
401024	5/8″ x 20′	8
401031	5/8″ x 25′	8
401048	5/8″ x 30′	8
401055	5/8″ x 35´	8

BRAIDED NYLON DOCK LINES -GOLD & WHITE W/ 12" LOOP

UPC I.D.	Dia. & Lgth.	Case Qty.
400409	5/16″ x 15´	12
400416	3/8" x 10'	36
400423	3/8" x 15"	24
400430	3/8" x 20'	24
400447	3/8" x 25'	24
400454	1/2" x 10"	24
400461	1/2" x 15'	24
400478	1/2" x 20'	20
400485	1/2″ x 25′	18
400492	1/2" x 30'	12
402823	1/2" x 35'	12
402717	5/8″ x 15´	12
400508	5/8″ x 20′	8
400515	5/8″ x 25´	8
400522	5/8″ x 30′	8
400539	5/8″ x 35′	8
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BRAIDED NYLON DOCK LINES - ROYAL BLUE W/ $12^{\prime\prime}$ Loop

UPC I.D.	Dia. & Lgth.	Case Qty.
400140	3/8" x 10	36
400157	3/8″ x 15′	24
400164	3/8" x 20'	24
400171	3/8" x 25"	24
400188	1/2″ x 10′	24
400195	1/2" x 15"	24
400201	1/2" x 20'	20
400218	1/2" x 25"	18
400225	1/2" x 30"	12
402878	1/2" x 35"	12
402762	5/8″ x 15′	12
400232	5/8″ x 20′	8
400249	5/8″ x 25′	8
400256	5/8" x 30"	8
400263	5/8″ x 35′	8

BRAIDED NYLON DOCK LINES -RED W/ 12" LOOP

UPC I.D.	Dia. & Lgth.	Case Qty.
400805	3/8" x 10'	36
400812	3/8" x 15'	24
400829	3/8" x 20'	24
400836	3/8" x 25"	24
400843	1/2" x 10'	24
400850	1/2″ x 15′	24
400867	1/2" x 20'	20
400874	1/2″ x 25′	18
400881	1/2" x 30'	12
402830	1/2" x 35'	12
402724	5/8″ x 15′	12
400898	5/8″ x 20′	8
400904	5/8" x 25"	8
400911	5/8" x 30"	8
400928	5/8" x 35'	8

BRAIDED NYLON DOCK LINES -NAVY BLUE W/ 12" LOOP

401338 3/8" x 10" 36 401345 3/8" x 15" 24 401352 3/8" x 20" 24 401369 3/8" x 25" 24 401376 1/2" x 10" 24 401383 1/2" x 15" 24 401390 1/2" x 20" 20 401406 1/2" x 25" 18 401413 1/2" x 30" 12 402885 1/2" x 35" 12 402779 5/8" x 15" 12 401420 5/8" x 20" 8 401437 5/8" x 25" 8 401444 5/8" x 30" 8 401451 5/8" x 35" 8	UPC I.D.	Dia. & Lgth.	Case Qty.
401352 3/8" x 20" 24 401369 3/8" x 25" 24 401376 1/2" x 10" 24 401383 1/2" x 15" 24 401390 1/2" x 20" 20 401406 1/2" x 25" 18 401413 1/2" x 30" 12 402885 1/2" x 35" 12 402779 5/8" x 15" 12 401420 5/8" x 20" 8 401437 5/8" x 25" 8 401444 5/8" x 30" 8	401338	3/8" x 10"	36
401369 3/8" x 25" 24 401376 1/2" x 10" 24 401383 1/2" x 15" 24 401390 1/2" x 20" 20 401406 1/2" x 25" 18 401413 1/2" x 30" 12 402885 1/2" x 35" 12 402779 5/8" x 15" 12 401420 5/8" x 20" 8 401437 5/8" x 25" 8 401444 5/8" x 30" 8	401345	3/8" x 15"	24
401376 1/2" x 10" 24 401383 1/2" x 15" 24 401390 1/2" x 20" 20 401406 1/2" x 25" 18 401413 1/2" x 30" 12 402885 1/2" x 35" 12 402779 5/8" x 15" 12 401420 5/8" x 20" 8 401437 5/8" x 25" 8 401444 5/8" x 30" 8	401352	3/8" x 201	24
401383 1/2" x 15" 24 401390 1/2" x 20" 20 401406 1/2" x 25" 18 401413 1/2" x 30" 12 402885 1/2" x 35" 12 402779 5/8" x 15" 12 401420 5/8" x 20" 8 401437 5/8" x 25" 8 401444 5/8" x 30" 8	401369	3/8" x 25"	24
401390 1/2" x 20" 20 401406 1/2" x 25" 18 401413 1/2" x 30" 12 402885 1/2" x 35" 12 402779 5/8" x 15" 12 401420 5/8" x 20" 8 401437 5/8" x 25" 8 401444 5/8" x 30" 8	401376	1/2″ x 10′	24
401406 1/2" x 25" 18 401413 1/2" x 30" 12 402885 1/2" x 35" 12 402779 5/8" x 15" 12 401420 5/8" x 20" 8 401437 5/8" x 25" 8 401444 5/8" x 30" 8	401383	1/2" x 15"	24
401413 1/2" x 30" 12 402885 1/2" x 35" 12 402779 5/8" x 15" 12 401420 5/8" x 20" 8 401437 5/8" x 25" 8 401444 5/8" x 30" 8	401390	1/2" x 20"	20
402885 1/2" x 35" 12 402779 5/8" x 15" 12 401420 5/8" x 20" 8 401437 5/8" x 25" 8 401444 5/8" x 30" 8	401406	1/2" x 25"	18
402779 5/8" x 15" 12 401420 5/8" x 20" 8 401437 5/8" x 25" 8 401444 5/8" x 30" 8	401413	1/2" x 30"	12
401420 5/8" x 20" 8 401437 5/8" x 25" 8 401444 5/8" x 30" 8	402885	1/2" x 35"	12
401437 5/8" x 25" 8 401444 5/8" x 30" 8	402779	5/8″ x 15′	12
401444 5/8" x 30' 8	401420	5/8″ x 20′	8
	401437	5/8" x 25"	8
401451 5/8" x 35' 8	401444	5/8″ x 30′	8
	401451	5/8″ x 35′	8

BRAIDED NYLON DOCK LINES - BLACK W/ 12" LOOP

		,
UPC I.D.	Dia. & Lgth.	Case Qty.
400270	3/8" x 10	36
400287	3/8″ x 15′	24
400294	3/8" x 20"	24
400300	3/8″ x 25′	24
400317	1/2″ x 10′	24
400324	1/2″ x 15´	24
400331	1/2" x 20'	20
400348	1/2″ x 25´	18
400355	1/2" x 30"	12
402809	1/2″ x 35´	12
402694	5/8″ x 15´	12
400362	5/8″ x 20′	8
400379	5/8″ x 25´	8
400386	5/8" x 30"	8
400393	5/8″ x 35′	8

BRAID ON BRAID DOCK LINE - BROWN W/ YELLOW TRACER

UPC I.D.	Dia. & Lgth.	Case Qty.
442324	3/8" x 10'	36
442331	3/8" x 15'	24
442348	3/8" x 20'	24
442355	3/8" x 25'	24
442362	1/2" x 10'	24
442379	1/2" x 15'	24
441822	1/2" x 20'	20
441938	1/2" x 25'	18
441846	1/2" x 30'	12
441853	5/8" x 15'	12
441860	5/8" x 20'	8
441877	5/8" x 25'	8
441884	5/8" x 30'	8
441891	5/8" x 35'	8



SOLID BRAID MFP DOCK LINES (Bags Only)

UPC I.D.	Dia. & Lgth.	Case Qty.
450909	3/8" x 15'	24
450916	3/8" x 20'	24
450923	3/8" x 25'	24
450930	1/2" x 15'	24
450947	1/2" x 20'	20
450954	1/2" x 25'	18

SOLID	BRAID MFP DOCK LINES -	ROYAL BLUE W/12" LOOF)
TIDOLD	D' 0 T d	0 0:	

UPC I.D.	Dia. & Lgth.	Case Qty.
443680	3/8" x 15'	24
443697	3/8" x 20	24
443703	3/8" x 25'	24
443710	1/2" x 15'	24
443727	12" x 20'	20
443734	1/2" x 25'	18

SOLID BRAID MFP DOCK LINES - RED W/12" LOOP

·	IFC I.D.	Dia. & Egui.	Case Qty.
4	43741	3/8" x 15'	24
4	43758	3/8" x 20	24
4	43765	3/8" x 25'	24
4	43772	1/2" x 15'	24
4	43789	12" x 20'	20
4	43796	1/2" x 25'	18

SOLID BRAID MFP DOCK LINES - BLACK W/12" LOOP

UPC I.D.	Dia. & Lgth.
443802	3/8" x 15'
443819	3/8" x 20'
443826	3/8" x 25'
443833	1/2" x 15'
443840	1/2" x 20'
443857	1/2" x 25'

ANCHOR LINES

TWISTED NYLON ANCHOR LINES W/ THIMBLE - WHITE

UPC I.D.	Dia. & Lgth.	Case Qty.
300501	3/8" x 50' - Bag	12
300518	3/8" x 100' - Bag	8
300525	3/8" x 150' - Spool	1
301485	3/8" x 200' - Spool	1
300532	1/2" x 100' - Spool	1
300549	1/2″ x 150´ - Spool	1
300556	1/2" x 200' - Spool	1
301461	1/2″ x 250´ - Spool	1
301478	1/2" x 300' - Spool	1
300563	5/8″ x 150´ - Spool	1
300570	5/8″ x 200´ - Spool	1
300587	5/8″ x 250´ - Spool	1
301515	5/8″ x 300´ - Spool	1

TWISTED NYLON ANCHOR LINES W/ THIMBLE – RED

UPC I.D.	Dia. & Lgth.	Case Qty.
300594	3/8" x 50' - Bag	12
300600	3/8" x 100' - Bag	8
300617	3/8" x 150' - Spool	1
300624	1/2" x 100' - Spool	1
300631	1/2″ x 150′ - Spool	1
300648	1/2" x 200´ - Spool	1
300655	5/8″ x 150´ - Spool	1
300662	5/8″ x 200´ - Spool	1
300679	5/8" x 250' - Spool	1

TWISTED NYLON ANCHOR LINES W/ THIMBLE - MAROON

UPC I.D.	Dia. & Lgth.	Case Qty.
300778	3/8″ x 50´ - Bag	12
300785	3/8" x 100' - Bag	8
300792	3/8″ x 150´ - Spool	1
300808	1/2″ x 100´ - Spool	1
300815	1/2″ x 150´ - Spool	1
300822	1/2″ x 200´ - Spool	1
300839	5/8″ x 150´ - Spool	1
300846	5/8″ x 200´ - Spool	1
300853	5/8" x 250' - Spool	1

TWISTED NYLON ANCHOR LINES W/ THIMBLE - ROYAL BLUE

UPC I.D.	Dia. & Lgth.	Case Qty.
300686	3/8″ x 50´ - Bag	12
300693	3/8" x 100' - Bag	8
300709	3/8" x 150' - Spool	1
300716	1/2" x 100' - Spool	1
300723	1/2" x 150' - Spool	1
300730	1/2" x 200' - Spool	1
300747	5/8″ x 150´ - Spool	1
300754	5/8″ x 200´ - Spool	1
300761	5/8" x 250' - Spool	1

TWISTED NYLON ANCHOR LINES W/ THIMBLE - NAVY BLUE

UPC I.D.	Dia. & Lgth.	Case Qty.	
301522	3/8″ x 50´ - Bag	12	_
301539	3/8″ x 100´ - Bag	8	_
301546	3/8″ x 150´ - Spool	1	_
301553	1/2″ x 100′ - Spool	1	_
301560	1/2″ x 150´ - Spool	1	_
301577	1/2″ x 200´ - Spool	1	_
301584	5/8″ x 150´ - Spool	1	_
301591	5/8″ x 200´ - Spool	1	_
301607	5/8" x 250" - Spool	1	_

TWISTED NYLON ANCHOR LINES W/ THIMBLE – HUNTER GREEN

UPC I.D.	Dia. & Lgth.	Case Qty.
301041	3/8" x 50' - Bag	12
301058	3/8" x 100' - Bag	8
301065	3/8" x 150' - Spool	1
301072	1/2" x 100' - Spool	1
301089	1/2" x 150' - Spool	1
301096	1/2" x 200' - Spool	1
301102	5/8″ x 150´ - Spool	1
301119	5/8″ x 200´ - Spool	1
301126	5/8" x 250" - Spool	1

TWISTED NYLON ANCHOR LINES W/ THIMBLE – BLACK

UPC I.D.	Dia. & Lgth.	Case Qty.
300860	3/8" x 50' - Bag	12
300877	3/8" x 100' - Bag	8
300884	3/8" x 150" - Spool	1
300891	1/2" x 100' - Spool	1
300907	1/2" x 150" - Spool	1
300914	1/2" x 200' - Spool	1
300921	5/8" x 150' - Spool	1
300938	5/8" x 200' - Spool	1
300945	5/8" x 250' - Spool	1

TWISTED NYLON ANCHOR LINES W/ THIMBLE

UPC I.D.	Dia. & Lgth.	Color	Case Qty.
444281	3/8" x 50'	White	12
44304	3/8" x 50'	Black	12
456659	3/8" x 50'	Gold/White	12
600069	3/8" x 50'	Red	12
600014	3/8" x 50'	Maroon	12
300341	3/8" x 50'	Hunter Green	12
300358	3/8" x 50'	Navy Blue	12
300365	3/8" x 50'	Royal Blue	12





ANCHOR LINES

BRAIDED N	ylon anchor lines w	/ THIMBLE – WHITE
UPC I.D.	Dia. & Lgth.	Case Qty.
300006	3/8" x 100' - Bag	8
300013	3/8″ x 150′ - Spool	1
301492	3/8" x 200' - Spool	1
300020	1/2" x 100' - Spool	1
300037	1/2″ x 150′ - Spool	1
300044	1/2″ x 200′ - Spool	1
301508	1/2" x 300' - Spool	1

BRAIDED NYLON ANCHOR LINES W/ THIMBLE - GOLD & WF				
UPC I.D.	Dia. & Lgth.	Case Qty.		
300150	3/8" x 100" - Bag	8		
300167	3/8" x 150' - Spool	1		
300174	1/2" x 100' - Spool	1		
300181	1/2″ x 150´ - Spool	1		
300440	1/2" x 200' - Spool	1		

BRAIDED NYLON ANCHOR LINES W/ THIMBLE- RED			
UPC I.D.	Dia. & Lgth.	Case Qty.	
300198	3/8" x 100' - Bag	8	
300204	3/8" x 150' - Spool	1	
300211	1/2" x 100' - Spool	1	
300228	1/2″ x 150´ - Spool	1	
300235	1/2″ x 200´ - Spool	1	

BRAIDED NYLON ANCHOR LINES W/ THIMBLE- MAROON			
UPC I.D.	Dia. & Lgth.	Case Qty.	
300051	3/8" x 100' - Bag	8	
300068	3/8″ x 150´ - Spool	1	
300075	1/2" x 100' - Spool	1	
300082	1/2″ x 150′ - Spool	1	
300099	1/2″ x 200´ - Spool	1	

BRAIDED NYLON ANCHOR LINES W/ THIMBLE - NAVY BLUE				
UPC I.D.	Dia. & Lgth.	Case Qty.		
301416	3/8" x 100' - Bag	8		
301423	3/8" x 150' - Spool	1		
301430	1/2" x 100' - Spool	1		
301447	1/2" x 150' - Spool	1		
301454	1/2" x 200' - Spool	1		

BRAIDED NYLON	ANCHOR LINES W/ THIMB	LE- ROYAL BLUE
UPC I.D.	Dia. & Lgth.	Case Qty.
300242	3/8" x 100" - Bag	8
300259	3/8" x 150" - Spool	1
300266	1/2" x 100' - Spool	1
300273	1/2" x 150' - Spool	1
300280	1/2″ x 200′ - Spool	1

BRAIDED NYLON ANCHOR LINES W/ THIMBLE - HUNTER GREEN			
UPC I.D.	Dia. & Lgth.	Case Qty.	
300105	3/8″ x 100′ - Bag	8	
300112	3/8″ x 150′ - Spool	1	
300129	1/2" x 100" - Spool	1	
300136	1/2″ x 150′ - Spool	1	
300143	1/2″ x 200′ - Spool	1	

BRAIDED N	YLON ANCHOR LINES W	v/ thimble - black
UPC I.D.	Dia. & Lgth.	Case Qty.
300396	3/8" x 100' - Bag	8
300402	3/8″ x 150′ - Spool	1
300419	1/2" x 100' - Spool	1
300426	1/2″ x 150′ - Spool	1
300433	1/2″ x 200′ - Spool	1

MARINE ACCESSORIES

HOLLOW BRAID POLYPROPYLENE ANCHOR LINES W/ SNAP HOOK BAG

UPC I.D.	Dia. & Lgth.	Case Qty.
301317	1/4" x 50'	36
301324	1/4" x 100'	12
301331	3/8" x 50'	12
330904	3/8″ x 75′	10
301348	3/8" x 100"	8

HOLLOW BRAID POLYPROPYLENE ANCHOR LINES W/ SNAP HOOK

UPC I.D.	Dia. & Lgth.	Case Qty.	
300969	1/4" x 50'	36	
300976	1/4" x 100'	12	
300983	3/8" x 50'	12	
300990	3/8" x 75'	10	
301003	3/8' x 100'	8	

SOLID BRAID ANCHOR LINES W/ SNAP HOOK BAG

UPC I.D.	Dia. & Lgth.	Case Qty.
200344	3/16" x 100'	24
201389	3/16" x 150"	24
200580	3/8" x 50"	12
200597	3/8" x 100'	8

SOLID BRAID NYLON ANCHOR LINES

UPC I.D.	Dia. & Lgth.	Case Qty.
301010	3/16" x 100'	24
301027	3/16" x 150'	24
301034	3/8" x 50'	12
301225	3/8" x 100'	8

TWISTED MOORING PENDANTS

UPC I.D.	Dia. & Lgth.	Case Qty.
447213	5/8" x 9'	6
447220	5/8" x 12'	6
447237	3/4" x 12'	6
447244	3/4" x 15'	6

BRAIDED MOORING PENDANTS

UPC I.D.	Dia. & Lgth.	Case Qty.	
447251	5/8" x 9'	6	
448609	5/8" x 12'	6	
448616	3/4" x 12'	6	
448623	3/4" x 15'	6	

BOAT DOCK PACK - TIE-DOWN CORD

UPC I.D.	Dia. & Lgth.	Case Qty.
105601	1/8" x 2000"	1
105618	3/16"x 2000′	1
105625	1/4" x 2000'	1
450718	7/32" x 1500'	
	Dock Pack Center Pull	
448739	7/32" x 1000'	
	Knitted Polyester	
333080	7/32" x 1000'	
	Diamond Braid	

Manufactured from high tenacity synthetic fiber. Light weight. Ideal for boat and snowmobile cover tie downs and tent rope. Packed in draw from center cartons.





MARINE ACCESSORIES

BOAT TRAILER WINCH ROPE NYLON SOLID BRAID

UPC I.D.	Dia. & Lgth.	Case Qty.
201280	3/8" x 20"	24
DO ATT TO A LI	ED WILLIOU DODE DOU	AND ODMED TO CEDAND
BOAT TRAIL	LER WINCH ROPE POL	YPROPYLENE 3 STRAND
UPC I.D.	Dia. & Lgth.	Case Qty.
200283	3/8" x 20"	24

FENDER LINES

BRAID ON BRAID NYLON FENDER LINES - BAG, 2 in a pack

UPC I.D.	Dia. & Lgth.	Color	Case Qty.
444267	1/4″ x 6′	Navy Blue	24
444274	1/4″ x 6′	Hunter Green	24
444298	1/4″ x 6′	Black	24
444328	1/4″ x 6′	Red	24
444335	1/4″ x 6′	Maroon	24
444342	1/4" x 6'	Royal Blue	24
444878	1/4" x 6'	White	24
600038	3/8″ x 6′	Navy Blue	12
600076	3/8″ x 6′	Hunter Green	12
600090	3/8″ x 6′	Black	12
600021	3/8″ x 6′	White	12
600007	3/8″ x 6′	Red	12
600052	3/8″ x 6′	Maroon	12
600045	3/8″ x 6′	Royal Blue 12	

TWISTED NYLON FENDER LINE - BAG, 2 in a pack

UPC I.D.	Dia. & Lgth.	Color	Case Qty.
601141	1/4" x 6'	White	24

TWISTED FENDER LINE

UPC I.D.	Dia. & Lgth.	Color	Case Qty.
440634	3/8" x 6'	White	12
440641	3/8" x 6'	Black	12
456666	3/8" x 6'	Gold/White	12
440665	3/8" x 6'	Red	12
440672	3/8" x 6'	Maroon	12
440689	3/8" x 6'	Hunter Green	12
440696	3/8" x 6'	Navy Blue	12
440702	3/8" x 6'	Royal Blue	12

BRAID ON BRAID NYLON FENDER LINES, 2 in a pack

UPC I.D.	Dia. & Lgth.	Color	Case Qty.
440719	1/4" x 6'	White	24
440726	1/4" x 6'	Black	24
440733	1/4" x 6'	Gold/White	24
440740	1/4" x 6'	Red	24
440757	1/4" x 6'	Maroon	24
440764	1/4" x 6'	Hunter Green	24
440771	1/4" x 6'	Navy Blue	24
441082	1/4" x 6'	Royal Blue	24
301232	3/8" x 6'	White	12
301249	3/8" x 6'	Black	12
301256	3/8" x 6'	Gold/White	12
301263	3/8" x 6'	Red	12
301270	3/8" x 6'	Maroon	12
301287	3/8" x 6'	Hunter Green	12
301294	3/8" x 6'	Navy Blue	12
301300	3/8" x 6'	Royal Blue	12

DOCK LINE CLAM PACKS

TW NY DOCK LINE WHITE

UPC I.D.	Dia./Lgth.	Case Qty.	
457328	3/8" x 10		12
457335	3/8" x 151		12
457342	3/8" x 201		12
457359	3/8" x 251		6
457366	1/2" x 10'		12
457373	1/2" x 15'		6
457380	1/2" x 20'		6
457397	1/2" x 25'		6
457403	1/2" x 30'		6
457410	5/8" x 151		6
457427	5/8" x 201		6
457434	5/8" x 251		6
457441	5/8" x 30'		6
457458	5/8″ x 35′		6

TW NY DOCK LINE BLUE

UPC I.D.	Dia./Lgth.	Case Qty.
457465	3/8" x 10	12
457472	3/8" x 151	12
457489	3/8" x 201	12
457496	3/8" x 251	6
457502	1/2" x 10'	12
457519	1/2" x 15'	6
457526	1/2" x 20'	6
457533	1/2" x 25'	6
457540	1/2" x 30'	6
457557	5/8" x 151	6
457564	5/8" x 201	6
457571	5/8" x 251	6
457588	5/8" x 301	6
457595	5/8" x 35°	6

TW NY DOCK LINE RED

UPC I.D.	Dia./Lgth.	Case Qty.
457601	3/8" x 10	12
457618	3/8" x 151	12
457625	3/8" x 201	12
457632	3/8" x 251	6
457649	1/2" x 10'	12
457656	1/2" x 15'	6
457663	1/2" x 20'	6
457670	1/2" x 25'	6
457687	1/2" x 30'	6
457694	5/8" x 151	6
457700	5/8" x 201	6
457717	5/8" x 251	6
457724	5/8" x 301	6
457731	5/8" x 351	6

TW NY DOCK LINE NAVY

UPC I.D.	Dia./Lgth.	Case Qty.
457748	3/8" x 10	12
457755	3/8" x 151	12
457762	3/8" x 201	12
457779	3/8" x 251	6
457786	1/2" x 10	12
457793	1/2" x 15	6
457809	1/2" x 201	6
457816	1/2" x 251	6
457823	1/2" x 30'	6
457830	5/8″ x 15´	6
457847	5/8" x 201	6
457854	5/8″ x 25´	6
457861	5/8" x 301	6
457878	5/8″ x 35′	6





DOCK LINE CLAM PACKS

TWIN DOCK LINE MAROON

UPC I.D.	Dia./Lgth.	Case Qty.
457885	3/8" x 10'	12
457892	3/8" x 151	12
457908	3/8" x 201	12
457915	3/8" x 251	6
457922	1/2" x 10'	12
457939	1/2" x 15	6
457946	1/2" x 20´	6
457953	1/2" x 25'	6
457960	1/2" x 30'	6
457977	5/8" x 15°	6
457984	5/8" x 201	6
457991	5/8" x 25'	6
458004	5/8" x 30°	6
458011	5/8" x 351	6

TWIN DOCK LINE HUNTER GREEN

UPC I.D.	Dia./Lgth.	Case Qty.
458028	3/8" x 10	12
458035	3/8" x 151	12
458042	3/8" x 201	12
458059	3/8" x 251	6
458066	1/2" x 10'	12
458073	1/2" x 15'	6
458080	1/2" x 20'	6
458097	1/2" x 25°	6
458103	1/2" x 30'	6
458110	5/8" x 151	6
458127	5/8" x 201	6
458134	5/8" x 251	6
458141	5/8" x 30°	6
458158	5/8″ x 35′	6

TW NY DOCK LINE BLACK

IW NY	DOCK I	INE BLACK
UPC I.D.	Dia./Lgth.	Case Qty.
458165	3/8" x 10	12
458172	3/8" x 15'	12
458189	3/8" x 201	12
458196	3/8" x 251	6
458202	1/2" x 10	12
458219	1/2" x 15°	6
458226	1/2" x 20'	6
458233	1/2" x 25'	6
458240	1/2" x 30'	6
458257	5/8" x 15	6
458264	5/8" x 20'	6
458271	5/8" x 251	6
458288	5/8" x 30'	6
458295	5/8″ x 35′	6

BB NY DOCK LINE WHITE

BR NA	DOCK L	INE WHITE
UPC I.D.	Dia./Lgth.	Case Qty.
458301	3/8" x 10	12
458318	3/8" x 151	12
458325	3/8" x 201	12
458332	3/8" x 251	6
458349	1/2" x 10"	12
458356	1/2" x 15'	6
458363	1/2" x 20'	6
458370	1/2" x 251	6
458387	1/2" x 30'	6
458394	1/2" x 35'	6
458400	5/8" x 151	6
458417	5/8" x 201	6
458424	5/8" x 251	6
458431	5/8" x 30'	6
458448	5/8" x 351	6

BB NY DOCK LINES GLD & WHT

UPC I.D.	Dia./Lgth.	Case Qty.
458455	3/8" x 10	12
458462	3/8" x 151	12
458479	3/8" x 201	12
458486	3/8" x 251	6
458493	1/2" x 10'	12
458509	1/2" x 15"	6
458516	1/2" x 201	6
458523	1/2" x 251	6
458530	1/2" x 30'	6
458547	1/2" x 35'	6
458554	5/8" x 151	6
458561	5/8" x 201	6
458578	5/8" x 251	6
458585	5/8" x 301	6
458592	5/8" x 35°	6

BB NY DOCK LINES RED

UPC I.D.	Dia./Lgth.	Case Qty.
458608	3/8" x 10	12
458615	3/8" x 151	12
458622	3/8" x 201	12
458639	3/8" x 251	6
458646	1/2" x 10'	12
458653	1/2" x 15´	6
458660	1/2" x 201	6
458677	1/2" x 25´	6
458684	1/2" x 30'	6
458691	1/2" x 351	6
458707	5/8" x 151	6
458714	5/8" x 201	6
458721	5/8″ x 25′	6
458738	5/8" x 301	6
458745	5/8" x 351	6

BB NY DOCK LINE MAROON

UPC I.D.	Dia./Lgth.	Case Qty.
458752	3/8" x 10	12
458769	3/8" x 151	12
458776	3/8" x 201	12
458783	3/8" x 251	6
458790	1/2" x 10	12
458806	1/2" x 15	6
458813	1/2" x 20'	6
458820	1/2" x 25'	6
458837	1/2" x 30'	6
458844	1/2" x 35'	6
458851	5/8" x 151	6
458868	5/8" x 201	6
458875	5/8″ x 25′	6
458882	5/8" x 30'	6
458899	5/8″ x 35′	6

BB NY DOCK LINE BLUE

UPC I.D.	Dia./Lgth.	Case Qty.
458905	3/8" x 10	12
458912	3/8" x 15	12
458929	3/8" x 201	12
458936	3/8" x 251	6
458943	1/2" x 10	12
458950	1/2" x 15"	6
458967	1/2" x 20'	6
458974	1/2" x 251	6
458981	1/2" x 30'	6
458998	1/2" x 35°	6
459001	5/8" x 151	6
459025	5/8" x 201	6
459032	5/8″ x 25′	6
459049	5/8" x 30°	6
459056	5/8" x 351	6

BB NY DOCK LINE NAVY

UPC I.D.	Dia./Lgth.	Case Qty.
459063	3/8" x 10	12
459070	3/8" x 151	12
459087	3/8" x 20'	12
459094	3/8" x 251	6
459100	1/2" x 10'	12
459117	1/2" x 15"	6
459124	1/2" x 20'	6
459131	1/2" x 25°	6
459148	1/2" x 30'	6
459155	1/2" x 351	6
459162	5/8" x 151	6
459179	5/8" x 20'	6
459186	5/8" x 251	6
459193	5/8" x 301	6
459209	5/8″ x 35′	6

BB NY DOCK LINE HTR GREEN

UPC I.D.	Dia./Lgth.	Case Qty.
459216	3/8" x 10'	12
459223	3/8" x 151	12
459230	3/8" x 201	12
459247	3/8" x 251	6
459254	1/2" x 10	12
459261	1/2" x 151	6
459278	1/2" x 201	6
459285	1/2" x 251	6
459292	1/2" x 30'	6
459308	1/2" x 35'	6
459315	5/8" x 15	6
459322	5/8" x 20'	6
459339	5/8" x 251	6
459346	5/8" x 301	6
459353	5/8″ x 35′	6

BB NY DOCK LINE BLACK

UPC I.D.	Dia./Lgth.	Case Qty.
459360	3/8" x 10	12
459377	3/8" x 15	12
459384	3/8" x 20'	12
459391	3/8" x 25'	6
459407	1/2" x 10'	12
459414	1/2" x 15°	6
459421	1/2" x 20'	6
459438	1/2" x 25°	6
459445	1/2" x 30'	6
459452	1/2" x 35°	6
459469	5/8" x 151	6
459476	5/8" x 201	6
459483	5/8" x 251	6
459490	5/8" x 30°	6
459506	5/8" x 351	6

BB NY DOCK LINES W/YEL TRACER

DD IN I	DOCKL	INES W/ IEL INACEN
UPC I.D.	Dia./Lgth.	Case Qty.
459513	3/8" x 10'	12
459520	3/8" x 15'	12
459537	3/8" x 20'	12
459544	3/8" x 25'	6
459551	1/2" x 10'	12
459568	1/2" x 15'	6
459575	1/2" x 20'	6
459582	1/2" x 25'	6
459599	1/2" x 30'	6
459605	5/8" x 15'	6
459612	5/8" x 20'	6
459629	5/8" x 25'	6
459636	5/8" x 30'	6
459643	5/8" x 35'	6



DOCK LINE CLAM PACKS

RR N	IV DO	F CARI	BBEAN	RILLE

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UPC I.D.	Dia./Lgth.	Case Qty.
460137	3/8" x 10'	12
460144	3/8" x 15'	12
460151	3/8" x 20'	12
460168	3/8" x 25'	6
460175	1/2" x 10'	12
460182	1/2" x 15'	6
460199	1/2" x 20'	6
460205	1/2" x 25'	6
460212	1/2" x 30'	6
460229	5/8" x 15'	6
460236	5/8" x 20'	6
460243	5/8" x 25'	6
460250	5/8" x 30'	6
460267	5/8" x 35'	6

SB MFP DOCK LINES WHT

UPC I.D.	Dia./Lgth.	Case Qty.
460328	3/8" x 15'	12
460335	3/8" x 20'	12
460342	3/8" x 25'	6
460359	1/2" x 15'	6
460366	1/2" x 20'	6
460373	1/2" x 25'	6

SB MFP DOCK LINES BLUE

UPC I.D.	Dia./Lgth.	Case Qty.
460380	3/8" x 15'	12
460397	3/8" x 20	12
460403	3/8" x 25'	6
460410	1/2" x 15'	6
460427	12" x 20'	6
460434	1/2" x 25'	6

SB MFP DOCK LINES RED

UPC I.D.	Dia./Lgth.	Case Qty.
460441	3/8" x 15'	12
460458	3/8" x 20	12
460465	3/8" x 25'	6
460472	1/2" x 15'	6
460489	12" x 20'	6
460496	1/2" x 25'	6

SB MFP DOCK LINES BLK

UPC I.D.	Dia./Lgth.	Case Qty.
460502	3/8" x 15'	12
460519	3/8" x 20'	12
460526	3/8" x 25'	6
460533	1/2" x 15'	6
460540	1/2" x 20'	6
460557	1/2" x 25'	18

ANCHOR LINE CLAM PACKS

TW NY ANCHOR LINES WHITE

UPC I.D.	Dia./Lgth.	Case Qty.
459650	3/8"x50'	6
459667	3/8"x100'	6

TW NY ANCHOR LINES HTR GRE

UPC I.D.	Dia./Lgth.	Case Qty.
459759	3/8"x50'	6
459766	3/8"x100'	6

TW NY ANCHOR LINES BLACK

UPC I.D.	Dia./Lgth.	Case Qty.
459773	3/8"x50'	6
459780	3/8"x100'	6

BB NY ANCHOR LINES WHITE

UPC I.D. Dia./Lgth. Case Qty.

459797	3/8"x100'	6
BB NY	ANCHO	r lines gld&wht
UPC I.D.	Dia./Lgth.	Case Qty.
459803	3/8"x100'	6

BB NY ANCHOR LINES RED

DD 111 1H (GITO II EH (EG TEE			
UPC I.D.	Dia./Lgth.	Case Qty.	
459810	3/8"x100'	6	

TW NY ANCHOR LINES RED

UPC I.D.	Dia./Lgth.	Case Qty.
459674	3/8"x50'	6
459681	3/8"x100'	6

TW NY ANCHOR LINES MAROON

UPC I.D.	Dia./Lgth.	Case Qty.
459698	3/8"x50'	6
459704	3/8"x100'	6

BB NY ANCHOR LINES MAROON

UPC I.D.	Dia./Lgth.	Case Qty.
459827	3/8"x100'	6

BB NY ANCHOR LINES NAVY

UPC I.D.	Dia./Lgth.	Case Qty.
459834	3/8"x100'	6

BB NY ANCHOR LINES BLUE

UPC I.D.	Dia./Lgth.	Case Qt
459841	3/8"v100'	6

TW NY ANCHOR LINES BLUE

UPC I.D.	Dia./Lgth.	Case Qty.
459711	3/8"x50'	6
459728	3/8"x100'	6

TW NY ANCHOR LINES NAVY

UPC I.D.	Dia./Lgth.	Case Qty.
459735	3/8"x50'	6
459742	3/8"x100'	6

BB NY ANCHOR LINES HTR GRE

UPC I.D.	Dia./Lgth.	Case Qty.
459858	3/8"x100'	6

BB NY ANCHOR LINES BLACK

UPC I.D.	Dia./Lgth.	Case Qty.
459865	3/8"x100'	6

DOCK LINE CLAM PAIR

UPC I.D.	Dia./Lgth.	Case Qty.
460687	1/2in X 15' TW DL WHT	6
460694	1/2in X 20' TW DL WHT	6
460700	1/2in X 25' TW DL WHT	6
460717	1/2in X 30' TW DL WHT	6
460724	3/8in X 10' TW DL WHT	12
460731	3/8in X 15' TW DL WHT	12
460748	3/8in X 20' TW DL WHT	6
460755	3/8in X 25' TW DL WHT	6

MARINE ACCESSORIES CLAM PACKS

HB POLY ANCHOR LINES W/SNAP HOOK

/		
UPC I.D.	Dia./Lgth.	Case Qty.
459872	1/4"X50'	6
459889	1/4"X100'	6
459896	3/8"X50'	6
459902	3/8"X75'	6
459919	3/8"X100'	6

SB ANCHOR LINES W/ SNAP HOOK

,		-
UPC I.D.	Dia./Lgth.	Case Qty.
459926	3/16"X100'	6
459933	3/16"X150'	6
459940	3/8"X50'	6
459957	3/8"X100'	6

TWISTED NYLON FENDER LINES 2 in a pack

Case Qty.
12
12
12
12
n 12
12
2
ue 12

BRAID ON BRAID NYLON FENDER LINES 2 in a pack

UPC I.D.	Dia./Lgth.	Color	Case Qty.	
459964	3/8"x6'	Navy Blue	12	
459971	3/8"x6'	Hunter Green	12	
459988	3/8"x6'	Black	12	
459995 3/8'x6'		White	12	
460007	3/8"x6'	Red	12	
460014	3/8"x6'	Maroon	12	
460021	3/8"x6'	Roayl Blue	12	
460052	3/8"x6'	Gold/White	12	
460762	3/8"X6'	Caribbean Blue	12	



ROPE FIBER SELECTION GUIDE

FIBER PROPERTIES AND TYPICAL VALUES

STRENGTH:	Manila	Sisal	Cotton	Nylon	Polyester	Polypropylene	Polyethylene	Kevlar 1*	Spectra 2*
Breaking Tenacity- (grams/denier)	5.0-6.0	4.0-5.0	2.0-3.0	7.0-9.5	7.0-9.5	6.5	6.0	18-26.5	30.0
Wet Strength vs. Dry Strength	Up to 120%	Up to 120%	Up to 120%	85-90%	100%	100%	100%	95%	100%
Shock-load Absorption Ability	Poor	Poor	Very Poor	Excellent	Good	Very Good	Fair	Poor	Fair
WEIGHT:									
Specific Gravity	1.38	1.38	1.54	1.14	1.38	0.91	0.95	1.44	0.97
Floats	No	No	No	No	No	Yes	Yes	No	Yes
ELONGATION:									
Percent at Break	10-12%	10-12%	5-12%	18-25%	12-15%	15-25%	15-25%	1.5-3.6%	3.5%
Creep (extension under sustained load)	Very Low	Very Low	Very Low	Moderate	Low	High	High	Very Low	Moderate
EFFECTS OF MOISTUF	E:								
Water Absorp. of Individual Fibers	Up to 100%	Up to 100%	Up to 100%	2-8%	< 1%	None	None	3.5-7.0%	None
Dielectric Properties	Very Poor	Very Poor	Very Poor	Poor	Good	Excellent	Excellent	Poor	Excellent
DEGRADATION:									
Resistance to UV in Sunlight	Good	Good	Good	Good	Excellent	Poor (black is best)	Fair (black is best)	Fair	Fair
Resistance to Rot and Mildew	Poor	Poor	Poor	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
Storage Requirements	Dry only	Dry only	Dry only	Wet or Dry	Wet or Dry	Wet or Dry	Wet or Dry	Wet or Dry	Wet or Dry
ROPE ABRASION RESISTANCE:									
Surface	Good	Fair	Poor	Very Good	Excellent	Good	Good	Fair	Very Good
Internal	Fair	Fair	Fair	Excellent	Excellent	Good	Good	Poor	Excellent
THERMAL PROPERTIE	S:								
Melts at	Does not melt, Chars at 350°	Does not melt, Chars at 350°	Does not melt, Chars at 350°	420-480°	490-500°	330°	275°	800° Begins to decompose	297°
RESISTANCE 3*:									
Resistance to Acids	Poor	Poor	Poor	Fair	Good	Excellent	Excellent	Fair	Excellent
Resistance to Alkalis	Poor	Poor	Fair	Very Good	Fair	Excellent	Excellent	Fair	Excellent
Resistance to Oils and Gas	Poor	Fair	Poor	Very Good	Very Good	Very Good	Very Good	Very Good	Very Good

- 1* Based on DuPont Kevlar® data
- 2* Based on Allied-Signal Spectra® data-Type 900
- 3* Resistance is relative to the length of exposure, percent of concentration and temperature.

CAUTION:

USE OF WORKING LOADS

Because of the wide range of rope use, rope condition, and exposure to the various factors affecting the rope, it is impossible to make blanket recommendations as to the correct choice of rope to use. However, we have provided the tensile strength for each diameter and type of rope. These strengths are based on tests of new and unused rope, with appropriate splices. Proper choice, care and inspection of the rope are essential for reasonably safe use of the rope. Consult your cordage vendor for proper use.

DYNAMIC LOADING VOIDS NORMAL WORKS LOADS

Dynamic Loading occurs when rope is subjected to sudden or extreme stress. Figures given as working loads are void if rope has been subjected to dynamic loading, high temperatures, long periods of load, extreme stress, improper use or storage.

EFFECT OF TEMPERATURE ON TENSILE STRENGTH

The tensile strength charts apply to ropes tested at normal room temperature (70° F). Ropes have lower tensile strength at higher temperatures. Continued exposure at elevated temperatures causes permanent damage.

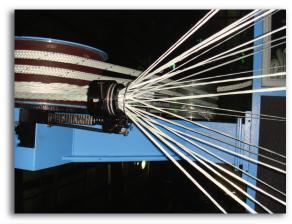
WARNING. MISUSE OF ROPES COULD RESULT IN SERIOUS INJURY.

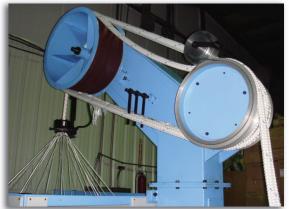


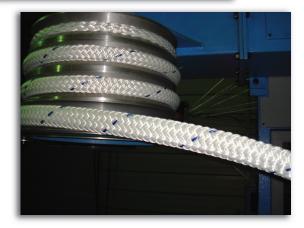


The Unicord Companies

RATERA BRAIDING SYSTEMS







For over 25 years, Unicord has provided high quality double braided ropes from 1/4" x 1 - 5/16"*.

We can now supply your needs for double braided rope with diameters up to $3'' \times 600'$

We will splice eyes of any size with protective chaffing gears (using Dupont CORDORA®).

Whether you require nylon or polyester, we will produce to your specifications at our facilities in the Chicago area.

This means reduced lead times, lower shipping costs, and a faster turn around for commercial fishing, ships and other cordage requirements.

*We also provide twisted ropes up to 4" in diameter. 8 strand plated up to 8" in diameter in addition to solid braids, diamond braids and bungee cords.





ROPE—OUR OLDEST TOOL

When ancient man used a vine to pull or tie something, he was using a tool. Long before the use of a lever or other hand tools, man used a form of rope. The Phoenicians are said to have hand twisted the ropes they used on their ships, long before the coming of Christ. The process of twisting ropes did not change much for hundreds of years until the early 1800's when machines were used to twist vegetable fibers into 3 and 4 strand ropes. Today, synthetic fibers have become the material of choice for most rope construction. Even now, these fibers are slowly being replaced by "exotic" fibers that



are stronger and more economical than some other rope fibers, even steel. There are two predominant constructions for making rope; twisted and braided. Twisted rope is made from

both vegetable and synthetic fibers. Vegetable fibers most commonly used are manila, cotton and sisal. Synthetic fibers are nylon, polyester (dacron), polypropylene and some combinations of polyester and polypropylene. The basic manufacturing process is done in three or four stages. Most polypropylene is made in three stages. Nylon and polyester and combinations are made in four stages.

- 1. The individual threads are twisted together to form a yarn.
- 2. Three yarns are then twisted together.
- 3. Any number of yarns (dependent on diameter) are twisted to form a strand.
- 4. Three strands are twisted to form a rope.

Formulas are used to determine what size or diameter of rope is made. Much care is taken to insure that the proper number of threads is used. Each stage of manufacture is done in a different direction



S-(left) Z- (right). This gives the rope the ability to stay together and remain stable. The process of braiding is somewhat the same as for twisting. However, there are more types of construction, such as diamond braid, solid

braid, hollow braid and braid on braid. Each of these types has its own particular construction. Diamond braids generally have a non-braided core. Solid braid has no core. Hollow braid has no core, only a jacket. Braid on braid has a braided core. Cotton is the prime vegetable fiber used in braids. Mainly, synthetics such as nylon, polyester and polypropylene are used. Other synthetics are sometimes used. Braiding begins much like twisting. The yarn is prepared by twisting. The braiding process can be done on machines using eight, twelve or sixteen or thirty two carriers (yarns). The machines braid the yarns together by a zig zag process with yarns coming together to form a rope. When choosing a rope for a particular use, there are some significant factors to consider.

- 1. Cost this factor must be determined by the others involved. Cheapest is not always best, nor is high price the final answer.
- 2. Strength probably the most significant of all. Remember, the safe working load of any rope is ten percent of the breakstrength.
 - 3. Material stretch, strength, durability

and chemical resistance all make up the choice of a proper material. Sound

difficult? Not really; most rope has distinctive quality of its own and it is not too difficult to determine which rope is best for your need. A consultation with your rope vendor generally will result in a wise choice.



