



# POLYESTER 12 PLAIT

D2 REV 008  
15 SEP 06

Polyester 12 plait provides high strength, low stretch and excellent abrasion resistance in a unique single braid construction. Polyester 12 Plait is easily spliced using a standard tuck splice and is 30% stronger than three strand or 8 plait polyester. Its torque free braided construction provides easy handling and prevents kinks and hockles.

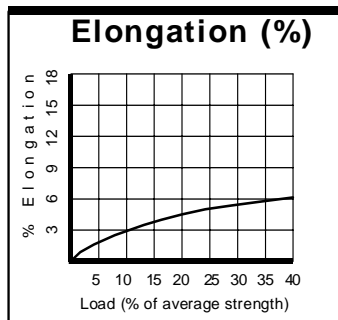
Polyester 12 plait comes standard with an overlay marine finish and is available on special order with a spliceable polyurethane finish in clear or any of six colors.

- Low stretch
- High strength
- Soft hand
- Torque free
- Easy splicing
- Meets MIL-R-24750

ALL SIZES ABS AND DNV TYPE APPROVED						
Nominal Diameter		Size Number (circ)	Approximate Weight		Minimum Tensile Strength	
Inch	MM		Lbs/100ft	Kg/100m	Pounds	kN
5/8	16	2	14.1	21	12,100	53.8
3/4	18	2-1/4	18.7	27.8	15,800	70.3
7/8	22	2-3/4	28.2	42	24,200	107.6
1	24	3	35.1	52.2	27,500	122.3
1-1/8	28	3-1/2	41.2	61.3	35,500	157.9
1-1/4	30	3-3/4	45.9	68.3	42,100	187.3
1-5/16	32	4	55.0	81.9	48,200	214.4
1-1/2	36	4-1/2	71.1	105.8	59,600	265.1
1-5/8	40	5	84.8	126.2	72,200	321.2
1-3/4	44	5-1/2	98.6	147.7	84,400	375.4
2	48	6	120	178.6	101,000	449.3
2-1/8	52	6-1/2	141	209.8	119,000	529.3
2-1/4	56	7	160	238.1	137,000	609.4
2-1/2	60	7-1/2	189	281.3	163,000	725.1
2-5/8	64	8	208	309.5	179,000	796.2
2-3/4	68	8-1/2	234	348.2	202,000	898.5
3	72	9	273	406.3	233,000	1036.4
3-1/4	80	10	338	503	282,000	1254.4
3-5/8	88	11	402	598.3	340,000	1512.4
4	96	12	486	723.3	409,000	1819.3

Tensile Strengths are determined in accordance with Cordage Institute 1500, Test Methods for Fiber Rope. Weights are calculated at linear density under standard preload (200d<sup>2</sup>) plus 5%. See reverse side for application and safety information.

## Type Approved Product



Specific gravity	1.38*
Melting point	482° F (250° C)*
Critical temp.	350° F (177° C)*
Coefficient of friction	0.12 - 0.15*
Elongation at break	15% - 20%
Fiber water absorption	0% - 1%
UV resistance	excellent
Wet abrasion	excellent
Dry abrasion	excellent

\* - value based on data supplied by the fiber manufacturer for new, dry fiber



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