



VECTRAN® 12 STRAND

V3/V33 REV 003
15 SEP 06

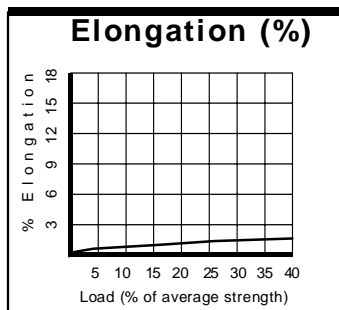
Vectran 12 Strand comes standard with either a wax marine finish or a polyurethane coating. This rope has excellent bend and flex fatigue resistance. Vectran is easily spliced using a simple lockstitch type splice, 4-3-2 or 5-4-3 Tuck splice.

Its soft, torque free braided construction provides easy handling.

- High strength
- Low stretch
- No creep
- Soft hand
- Torque free
- Easy splicing

	Nominal Diameter		Size Number (circ)	Approximate Weight		Minimum Tensile Strength	
	Inch	MM		Lbs/100ft	Kg/100m	Pounds	kN
12 STRAND	1/8	3	3/8	.64	0.9	2,800	12.5
	3/16	5	9/16	1.3	1.9	5,500	24.5
	1/4	6	3/4	2.1	3.1	8,000	35.6
	5/16	8	15/16	3.2	4.8	11,700	52.0
	3/8	9	1-1/8	5.3	7.9	17,500	77.8
	7/16	11	1-1/4	6.1	9.1	21,000	93.4
	1/2	12	1-1/2	9.2	13.7	31,300	139.2
	9/16	14	1-3/4	11.4	17.0	37,900	168.6
	5/8	16	2	15.3	22.8	51,400	228.6
	3/4	18	2-1/4	19.2	28.6	68,500	304.7
	7/8	22	2-3/4	28.3	41.6	92,600	411.9
	1	24	3	33.8	50.4	110,000	489.3
	1-1/8	28	3-1/2	46.0	68.7	147,000	653.9
	1-1/4	30	3-3/4	52.2	77.9	165,000	734.0
	1-5/16	32	4	60.2	89.8	196,000	871.9
12 X 12 STRAND	1-1/2	36	4-1/2	74.6	111.3	221,000	983.1
	1-5/8	40	5	94.8	141.4	291,000	1294.4
	1-3/4	44	5-1/2	113.2	168.9	314,000	1396.7
	2	48	6	132	196	355,000	1579.1
	2-1/8	52	6-1/2	157	235	428,000	1903.8
	2-1/4	56	7	176	263	481,000	2139.6
	2-5/8	64	8	241	359	596,000	2651.1
	2-3/4	68	8-1/2	270	398	660,000	2935.8
	3	72	9	309	443	780,000	3469.6
	3-1/4	80	10	377	561	940,000	4181.3
	3-5/8	88	11	468	697	1,250,000	5560.3
	4	96	12	569	847	1,520,000	6761.3

Tensile Strengths are determined in accordance with Cordage Institute 1500, Test Methods for Fiber Rope. Weights are calculated at linear density under standard preload (200d²) plus 4%. See reverse side for application and safety information.



Specific gravity	1.40*
Melting point	625° F (329° C)*
Critical temp.	300° F (149° C)*
Coefficient of friction	0.12-0.15*
Elongation at break	4%-5%
Fiber water absorption	<0.1%
UV resistance	moderate
Wet abrasion	excellent
Dry abrasion	excellent

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



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