



SPECTRA® 12 STRAND

S3/S33 Rev 008
15 SEP 06

Spectra® 12 strand provides very high strength, low stretch and excellent abrasion resistance in a single braid construction. The equivalent weight rope, it is over 3 times as strong as polyester and has less than one half the elongation.

Spectra® 12 strand comes standard with a polyurethane finish and is easily spliced using a simple lockstitch type splice, 4-3-2 or 5-4-3 Tuck splice. Its soft, torque free braided construction provides easy handling.

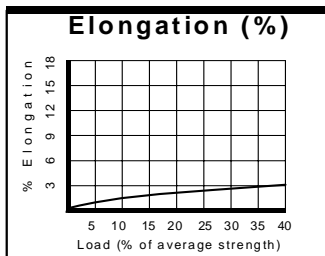
- Very Low stretch
- Very High strength
- Soft hand
- Torque free
- Easy splicing
- Floats

Type Approved Product



	Nominal Diameter		Size Number (circ)	Approximate Weight		Minimum Tensile Strength	
	Inch	MM		Lbs/100ft	Kg/100m	Pounds	kN
12 STRAND	7/64	2.5	5/16	.33	.50	1,125	5.0
	1/8	3	3/8	.53	.80	1,800	8.0
	3/16	5	9/16	1	1.50	3,600	16.0
	1/4	6	3/4	1.6	2.40	6,000	26.7
	5/16	8	15/16	2.6	3.9	9,000	40.0
ABS AND DNV TYPE APPROVED SIZES							
12 STRAND	3/8	9	1-1/8	3.7	5.5	13,900	61.8
	7/16	11	1-1/4	4.2	6.3	14,800	65.8
	1/2	12	1-1/2	6.4	9.5	22,500	100.1
	9/16	14	1-3/4	7.9	11.8	27,700	123.2
	5/8	16	2	10.6	15.8	36,600	162.8
	3/4	18	2-1/4	13.3	19.8	43,200	192.2
	7/8	22	2-3/4	19.6	29.2	61,000	271.3
	1	24	3	23.4	34.8	72,000	320.3
	1-1/16	26	3-1/4	27.6	41.1	81,000	360.3
	1-1/8	28	3-1/2	31.9	47.5	91,800	408.3
	1-1/4	30	3-3/4	36.2	53.9	102,600	456.4
	1-5/16	32	4	41.7	62.1	114,300	508.4
	1-1/2	36	4-1/2	51.7	76.9	141,300	628.5
	1-5/8	40	5	65.7	97.8	167,400	744.6
	1-3/4	44	5-1/2	78.4	116.7	198,000	880.7
12 X 12 STRAND	2	48	6	91.4	136	225,000	1000.8
	2-1/8	52	6-1/2	109	162.2	270,000	1201.0
	2-1/4	56	7	122	181.6	317,700	1413.2
	2-1/2	60	7-1/2	148	220.3	360,000	1601.4
	2-5/8	64	8	167	248.5	370,800	1649.4
	2-3/4	68	8-1/2	187	278.3	405,000	1801.5
	3	72	9	214	318.5	508,500	2261.9
	3-1/4	80	10	261	388.4	616,500	2742.3
	3-5/8	88	11	324	482.2	765,000	3402.9
	4	96	12	394	586.4	900,000	4003.4

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	0.98*
Melting point	284° F (140° C)*
Critical temp.	150° F (65° C)*
Coefficient of friction	0.09-0.12*
Elongation at break	6%-8%
Fiber water absorption	0%
UV resistance	moderate
Wet abrasion	superior
Dry abrasion	superior

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



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