

Lightning[†] - Vectran[®] 12-Strand

Lightning[†] is a 12-strand High Modulus Polyester (HMPES) Vectran[®] and Dyneema[®] SK-75 High Modulus Polyethylene (HMPE) fiber.

Features

- High strength-to-weight ratio
- Very low stretch
- 12-Strand construction (7/64" is 8-strands)
- Easy to splice

Applications

- Geological survey equipment bridles
- Low stretch control lines



SPECIFICATIONS

- Standard colours: Black, Blue, Green, Red

Diameter		kg per	lbs per	Average Strength		Minimum Strength	
(mm)	(in)	100m	100ft	(kg)	(lbs)	(kg)	(lbs)
2,8	7/64	0,6	0,4	640	1 400	570	1 300
3,2	1/8	0,74	0,5	950	2 100	860	1 900
4,8	3/16	1,5	1,0	2 400	5 400	2 200	4 900
6,4	1/4	2,2	1,5	3 600	7 900	3 200	7 100
7,9	5/16	3,9	2,6	6 100	13 500	5 500	12 200
9,5	3/8	5,2	3,5	8 400	18 500	7 600	16 700
11,1	7/16	6,0	4,0	9 300	20 600	8 400	18 500
12,7	1/2	8,9	6,0	14 500	32 000	13 000	28 800
14,3	9/16	11,0	7,4	18 900	41 600	17 000	37 400
15,9	5/8	15,0	10,1	23 000	50 600	20 700	45 600

Elastic Elongation at % break strength		
10%	20%	30%
0,59% elongation	0,68% elongation	0,77% elongation

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 Vectran[®] is a registered trademark of Kuraray Co. Ltd.
[†]Lightning is a Samson Rope Technologies' Product