

Marlow[®] DATASHEET

EXCEL VECTRAN

Low stretch and zero creep maintains sail set even when fully loaded over extended periods. Polyester cover grips well in cleats.

APPLICATIONS

Halyards, Lashing, Control Lines

MATERIAL

CORE:

Manufactured from Vectran

Unaffected by water

Zero creep

Zero shrinkage

COVER:

Manufactured from high tenacity Polyester

Good UV resistance

Good abrasion and heat resistance

CONSTRUCTION

TWISTED FIBRE CONSTRUCTION:

Improved abrasion resistance

BRAIDED CORE CONSTRUCTION:

Optimised pitch to yarn twist - improves strength and longevity

Firmer rounder rope, aids handling

Torque balanced

Flexible product and easily handled

16 PLAIT COVER CONSTRUCTION:

Protects load bearing core from dirt and abrasion

Round and firm construction

PROPERTIES

RELATIVE DENSITY:

1.4 Exact figure varies with diameter

CHEMICAL RESISTANCE:

Good resistance to most chemicals

(additional information available on request)

UV RESISTANCE:

Good

MELTING POINT:

Cover 260°C / Core 350°C

CRITICAL TEMPERATURE:

N/A

TERMINATIONS

SPLICED EYE TERMINATION:

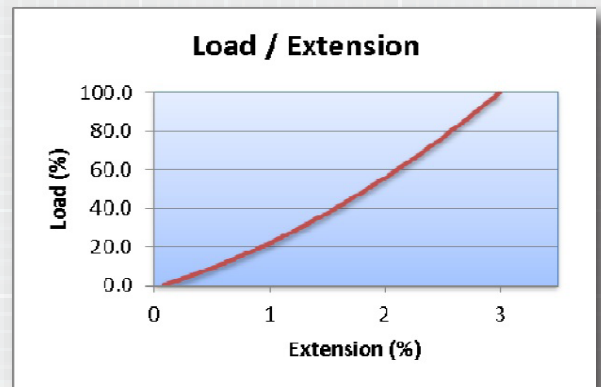
N/A

ELONGATION

Typical working elongation (for a bedded in a rope):

@ 10% of break load: 0.5%

@ 20% of break load: 0.9%



PERFORMANCE

DIAMETER		CIRCUMFERENCE		MASS		AVERAGE STRENGTH			MIN STRENGTH			
mm	Inch	g/m	lb/100 ft	kg	lb	kN	kg	lb	kN	kg	lb	kN
1.5	1/16	1.9	0.13	119	262	1.2	117	258	1.1			
2	3/32	3.2	0.21	257	564	2.5	256	564	2.5			
3	1/8	6.7	0.45	329	723	3.2	319	702	3.1			
4	5/32	11.7	0.78	717	1577	7.0	715	1573	7.0			

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ISO 9001