

Marlow®

DATASHEET

EXCEL PRO

All polyester rope, ideal for most applications on a dinghy. The twisted long lay core provides a low stretch option for halyards. The hard wearing brightly coloured cover is ideal for sheets in larger diameters and control lines when using small diameters.



APPLICATIONS

Halyards, Sheets, Control Lines, Kickers, Backstays, Out/Downhauls

MATERIAL

CORE:

Manufactured from high tenacity Polyester
Unaffected by water
Low creep
Zero shrinkage
Low water absorption

COVER:

Manufactured from high tenacity Polyester
Good UV resistance
Good abrasion and heat resistance

CONSTRUCTION

TWISTED FIBRE CONSTRUCTION:

Improved abrasion resistance

TWISTED CORE CONSTRUCTION:

Optimised pitch to yarn twist - improves strength and longevity
Firmer rounder rope, aids handling
Flexible product and easily handled

16 PLAIT COVER CONSTRUCTION:

Protects load bearing core from dirt and abrasion
Round and firm construction

PROPERTIES

RELATIVE DENSITY:	1.38 Exact figure varies with diameter
CHEMICAL RESISTANCE:	Excellent resistance to most chemicals (additional information available on request)
UV RESISTANCE:	Good
MELTING POINT:	260°C
CRITICAL TEMPERATURE:	N/A

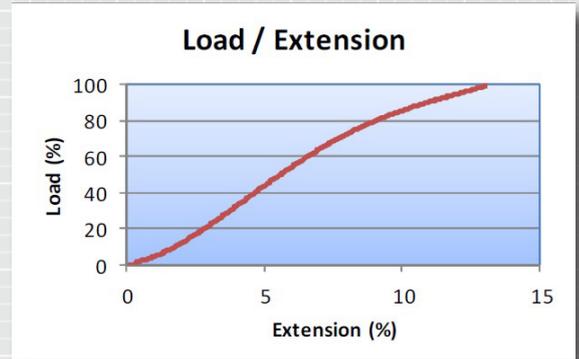
TERMINATIONS

SPLICED EYE TERMINATION:	N/A
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ELONGATION

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

@ 10% of break load:	1.7%
@ 20% of break load:	2.8%
To break:	13.0%



PERFORMANCE

DIAMETER		CIRCUMFERENCE		MASS		AVERAGE STRENGTH			MIN STRENGTH			
mm	Inch	g/m	lb/100 ft	kg	lb	kN	kg	lb	kN	kg	lb	kN
2	3/32	2.7	0.18	110	242	1.1	99	218	1.0			
3	1/8	6	0.40	202	444	2.0	182	400	1.8			
4	5/32	10.7	0.72	377	829	3.7	339	746	3.3			
5	3/16	21.5	1.44	702	1544	6.9	632	1390	6.2			
6	7/32	26.8	1.80	986	2169	9.7	887	1952	8.7			

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