

Marlow[®] DATASHEET

KITELINE*Race*

MADE WITH BIO BASED
DYNEEMA[®] FIBRE



KITELINE*Race* utilises Dyneema SK99 and is available in 1.3mm and 1.5mm diameter. While maintaining the breakload of 270kg on the 1.3mm and 360kg for the 1.5mm the thinner than normal diameter improves kite performance especially in light winds.

KITELINE*Freestyle*

KITELINE*Freestyle* utilises Dyneema Sk78 and is available in 1.8mm diameter. It has a 455kg break load for improved safety and longevity.

APPLICATIONS

Material:

KITELINE*Race*

KITELINE*Freestyle*

Kitelines

Dyneema SK99

Dyneema SK78

HMPE (High Modulus Polyethylene)

Very light-weight

High strength

Low stretch

Good UV resistance

Zero water shrinkage

CONSTRUCTION:

12 STRAND BRAID: - KITELINE*Race* (1.3mm) and KITELINE*Freestyle*

16 STRAND BRAID - KITELINE*Race* (1.5mm)

Improved abrasion

Optimised pitch to yarn twist - improves strength & longevity

Firmer rounder rope, aids handling (NB.- KITELINE*Race* 1.3mm and KITELINE*Freestyle* 1.8mm ONLY)

Easy to splice

Flexible product and easily handled

Torque balanced

PROPERTIES:

RELATIVE DENSITY

CHEMICAL RESISTANCE

UV RESITANCE

MELTING POINT

CRITICAL TEMPERATURE

0.97 exact figure varies with diameter

Excellent resistance to most chemicals

Good

140oC

80oC (exposure to temperatures over this will result in permanent strength loss)

TERMINATIONS:

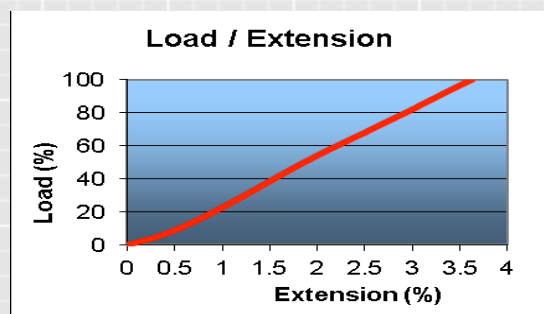
SPLICED EYE TERMINATION

N/A

ELONGATION

Typical working elongation (for bedded in rope)

@10% of break load	0.51%
@20% of breakload	0.89%
to break	3.60%



PERFORMANCE

DIAMETER		MASS		AVERAGE STRENGTH			MIN SPICED STRENGTH		
mm	Inch	g/m	lb	kg	lb	kN	kg	lb	kN
1.3	3/64	1.4	0.09	270	594	2.6	243	535	2.4
1.5	1/16	1.8	0.12	360	792	3.5	324	713	3.2
1.8	5/64	2.4	1.16	455	1001	4.5	410	901	4.0

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