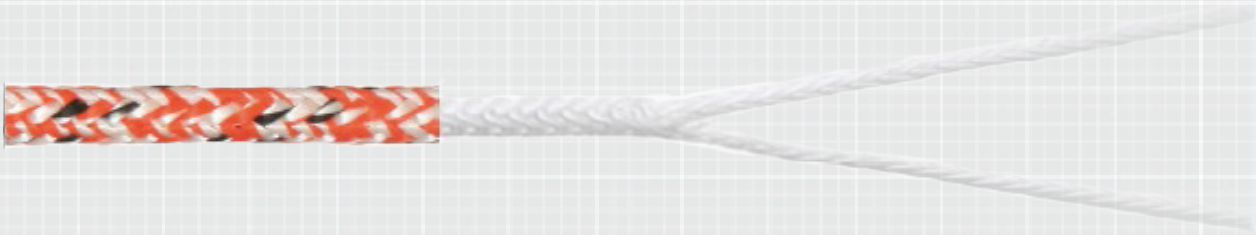


Marlow[®] DATASHEET

EXCEL GEMINI

Designed for dinghy's with split tail mainsheet systems. Twin Dyneema cores can be easily tapered and separated. The lightweight polypropylene and Dyneema cover ensures the rope lasts through cleats and ratchet blocks.



APPLICATIONS

Split Tail Main Sheets

MATERIAL

CORE:

Manufactured from Dyneema SK78
HMPE (High-Modulus Polyethylene)
Very light weight - more than 8x lighter than steel wire for a given strength
High strength - 80% stronger than steel wire for a given weight
Low stretch - see table below
Good resistance to chemicals and UV
Zero water shrinkage

COVER:

Manufactured from Dyneema Polypropylene blend
Good abrasion
Very light weight
Very low water absorption

CONSTRUCTION

TWISTED FIBRE CONSTRUCTION:

Improved abrasion resistance

12 STRAND DUAL BRAIDED

CORE CONSTRUCTION:

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

16 PLAIT BRAIDED

COVER CONSTRUCTION:

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

PROPERTIES

RELATIVE DENSITY: 0.95 (Floats) Exact figure varies with diameter
CHEMICAL RESISTANCE: Excellent resistance to most chemicals (additional information available on request)
MELTING POINT: 140°C

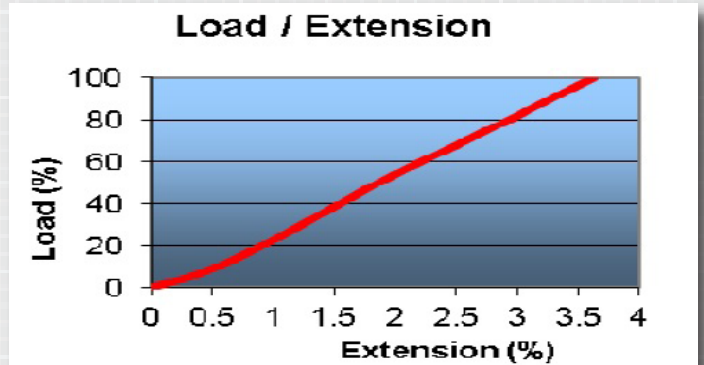
TERMINATIONS

SPLICED EYE TERMINATION: Splicing instruction available on request

ELONGATION

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

- @ 10% of break load: 0.51%
- @ 20% of break load: 0.89%



PERFORMANCE

DIAMETER		CIRCUMFERENCE		MASS		AVERAGE STRENGTH			MIN STRENGTH		
mm	Inch	g/m	lb/100 ft	kg	lb	kN	kg	lb	kN		
7	1/4	23.1	1.55	995	2189	9.8	855	1881	8.4		
9	3/8	34.3	2.30	1434	3155	14.1	1070	2354	10.5		

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