Marlow
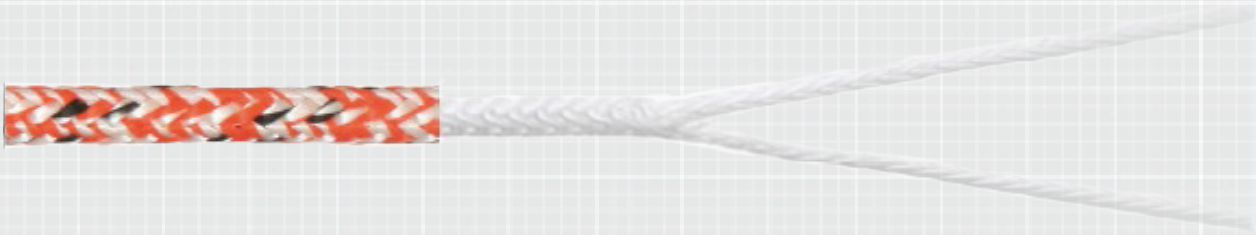
EXCEL GEMINI

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
	Low creep
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)
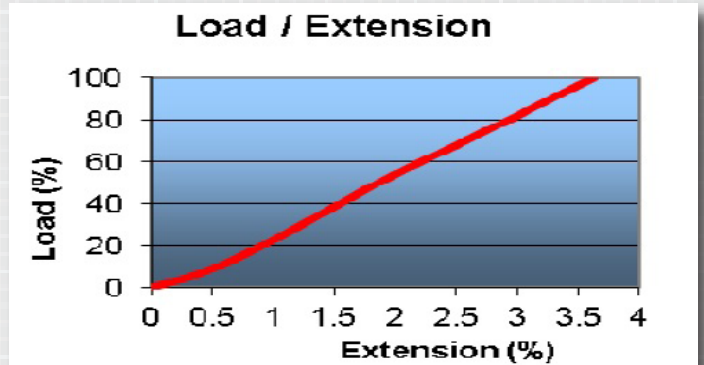**MELTING POINT:** 140°C

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