

Marlow[®] DATASHEET

S.P.I.E DPX FLOATING ROPE

Marlow's innovative system is a light-weight and super strong extraction rope ideal for waterborne operations. It is designed to carry 10 to 12 personnel and has a 2 loop colour coded integrated safety system for all personnel with the yellow loop for easy retrieval. This product is designed to float, allowing significantly easy retrieval on water borne operations.



APPLICATIONS

Insertion, Extraction from water (floats), Standard length 40 metres, part number TAU012

MATERIAL

MAIN ROPE:

Manufactured from 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 absorption & shrinkage (floats)

PERSONNEL LOOPS:

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CONSTRUCTION

TWISTED FIBRE CONSTRUCTION:

Improved abrasion resistance

12 STRAND BRAIDED CONSTRUCTION:

Optimised pitch to yarn twist - improves strength & longevity

Firmer rounder rope, aids handling

Flexible product and easily handled

PROPERTIES

RELATIVE DENSITY:

0.97 (floats)

CHEMICAL RESISTANCE:

Excellent resistance to most chemicals
(additional information available on request)

UV RESISTANCE:

Good

MELTING POINT:

140°C

CRITICAL TEMPERATURE:

80°C

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

TERMINATIONS

SPliced EYE TERMINATION:

Soft eye splice as standard

MAIN ROPE:

DIAMETER		CIRCUMFERENCE		MASS		AVERAGE STRENGTH			MIN STRENGTH			PART NUMBER
mm		Inch		g/m	lb/100ft	kg	lb	kN	kg	lb	kN	
20		2 - 1/2		239	16.0	41000	9040	402	37700	83200	370	TAU010

PERSONNEL AND SAFETY LOOPS:

DIAMETER		CIRCUMFERENCE		MASS		AVERAGE LOOP PULL OUT STRENGTH			PART NUMBER
mm		Inch		g/m	lb/100ft	kg	lb	kN	
10		1 -1/4		48.6	3.26	7590	16698	74.5	TAU012

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