

Marlow[®] DATASHEET

S.P.I.E WPX

Marlow's floating extraction system allows easier retrieval from waterborne operations. Designed to carry 10-12 personnel. Two loop integrated colour coded safety system for all personnel. One yellow loop for easy retrieval. Hard wearing. The main rope has been designed for low shock loads. Spliced eye termination.



APPLICATIONS:

Standard length 40 metres - Part Number: TAU013 - NSN 4020-99-969-5258
Insertion & extraction
TAU015 - 27.4 metres
TAU016 - 18.3 metres

MATERIAL

MAIN ROPE:

Manufactured from Polyolefin
Hardwearing
Lightweight (floats)
Very high elongation (low shock loads)

PERSONNEL LOOPS:

Manufactured from UHMPE (ultra high modulus polyethylene)
Very lightweight - more than 8 x 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)

PROPERTIES

RELATIVE DENSITY:	0.93 (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
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PERFORMANCE

DIAMETER		MASS		AVERAGE STRENGTH			MINIMUM STRENGTH		
mm	inch	g/m	lb/100ft	kg	lb	kN	kg	lb	kN
MAIN ROPES									
30	1 12/64	495.5	33.23	16880	37136	165.6	15100	33300	148.1
PERSONAL & SAFETY LOOPS									
10	13/32	48.6	3.26	3860	8492	37.9	3474	7643	3407

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Certificate Number 315
ISO 9001
ISO 14001