

Marlow®

DATASHEET

POLYESTER S.P.I.E ROPE

Marlow's new extraction system has been designed for the transportation of a larger number of personnel with increased safety.

- Higher strength to accommodate greater number of personnel (10 to 12 as standard)
- 2 loop colour coded integrated safety system for all personnel
- 1 (yellow loop) for easy retrieval
- Spliced eye termination.



APPLICATIONS

Standard length 40m. Personnel insertion and extraction

MATERIAL

MAIN ROPE:

Manufactured from Polyester
Unaffected by water
Zero shrinkage
High Elongation (Low shock loads)

PERSONNEL LOOPS:

Manufactured from UHMPE (Ultra High Modulus Polyethylene)
Very light weight - more than 8x lighter than steel wire for a given weight
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

CONSTRUCTION

TWISTED FIBRE CONSTRUCTION:

12 STRAND BRAIDED PES CORE CONSTRUCTION:

24 PLAIT OPTI-TWIST PES COVER CONSTRUCTION:

Improved abrasion resistance
Firmer rounder rope, aids handling
Flexible product and easily handled
Torque balanced
Improved abrasion resistance
Increased elongation (Low shock loads)

PROPERTIES

RELATIVE DENSITY:	1.38
CHEMICAL RESISTANCE:	Excellent resistance to most chemicals (additional information available on request)
UV RESISTANCE:	Excellent
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

MAIN ROPE:

DIAMETER		CIRCUMFERENCE		MASS		AVERAGE STRENGTH			MIN STRENGTH		
mm	Inch	g/m	lb/100 ft	kg	lb	kN	kg	lb	kN		
28	1 7/64	558	37.42	15543	34195	152.5	14300	31460	140.3		

PERSONNEL & SAFETY LOOPS:

DIAMETER		CIRCUMFERENCE		MASS		AVERAGE STRENGTH			MIN STRENGTH		
mm	Inch	g/m	lb/100 ft	kg	lb	kN	kg	lb	kN		
10	13/32	48.6	3.26	3860	8492	37.9	5630	12386	55.2		

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ISO 9001