

Marlow [®]

BLUE OCEAN[®] STATIC

The **BLUE OCEAN[®] STATIC** is NEW to Marlow's Rope Access range for 2021. Made from 100% Blue Ocean[®] yarn, this eco-conscious innovative rope solution is NFPA and CE certified. Ideal for rope access, abseiling and work positioning.



GRS CERTIFIED YARN
MADE FROM 100% RECYCLED WASTE PLASTIC BOTTLES

MATERIAL:

MATERIAL CORE:	Blue Ocean [®] yarn (recycled plastic)
MATERIAL COVER:	Blue Ocean [®] yarn (recycled plastic)
CORE TYPE:	Multiple twisted cores
COVER TYPE:	16 plait Braided (32 carrier)
CE CERTIFICATION:	MR 10-81
NFPA CERTIFICATION:	1983 : 2017

CONSTRUCTION:

MANUFACTURED FROM BLUE OCEAN[®] YARN:

- High strength
- Low elongation
- Good resistance to most chemicals and UV

TWISTED FIBRE COVER CONSTRUCTION:

- Improved abrasion resistance
- Aids handling
- Works well with ascenders and descenders

TERMINATION OPTIONS:

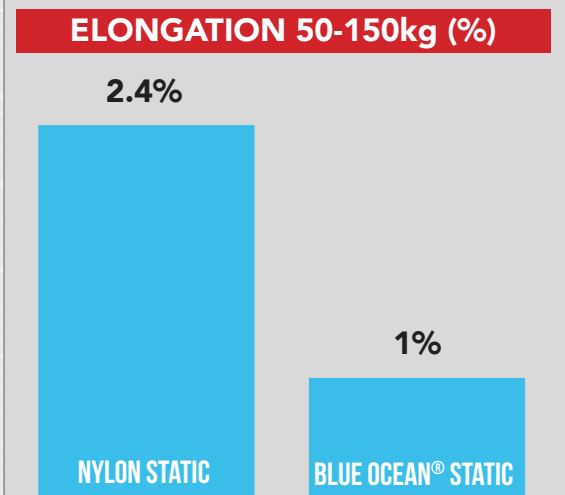
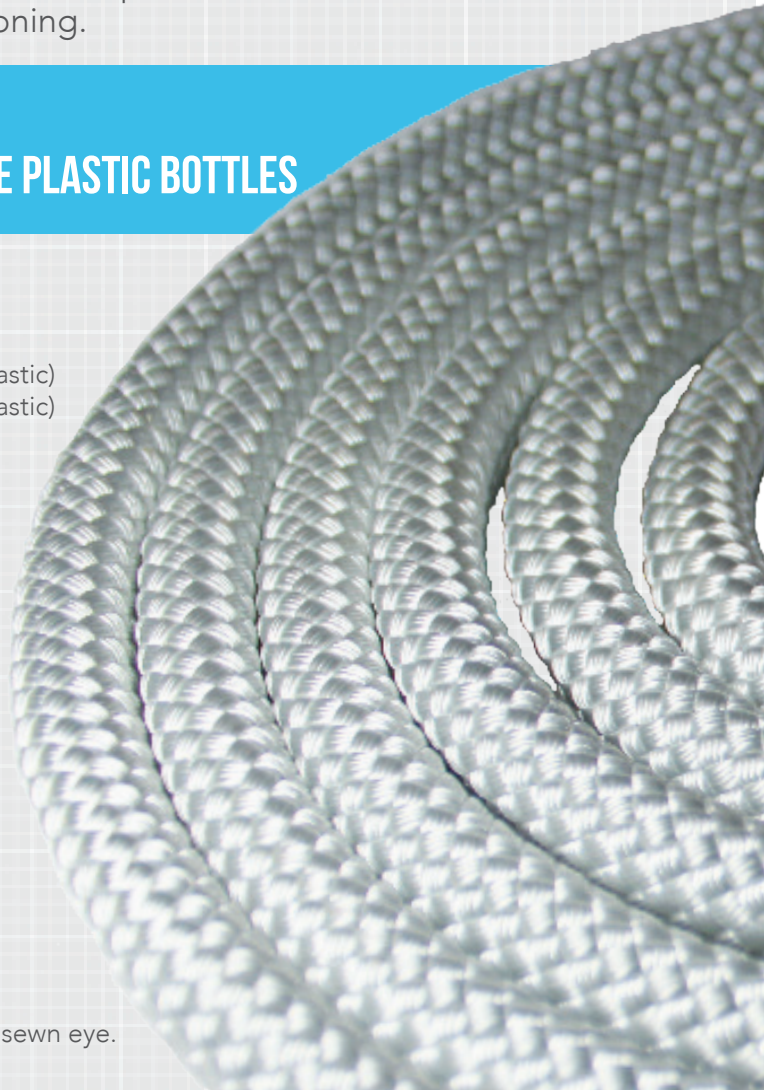
All Marlow Static ropes can be terminated with a CE approved sewn eye. Each eye is individually serial numbered for traceability. (subject to minimum order quantity)

ELONGATION CHART:

Due to its Polyester construction the Blue Ocean[®] Static has significantly lower elongation than an equivalent Nylon rope.

This means more accurate positioning with less bouncing about, less fatigue (less of the climber's energy is used in stretching the rope), less 'drop' if a climber's weight transitions from a working rope to a low stretch backup and less wear on the rope due to movement through hardware.

Care should be taken to ensure the rope is used for work positioning only. **This rope is not designed for fall arrest.** When used as a backup rope a suitable energy absorber should be incorporated in the system to prevent the risk of high dynamic loads being developed.



PERFORMANCE

PROPERTY	CE PERFORMANCE
Diameter (mm)	11
Sheath Slippage (%)	0.3
50-150kg elongation (%)	1
Shrinkage (%)	0
Mass Core (g/m)	66.0
Mass Cover (g/m)	29.1
Mass Rope (g/m)	95.2
Mass rope (lb/100ft)	6.40
Core material	recycled polyester (Blue Ocean® yarn)
Cover material	recycled polyester (Blue Ocean® yarn)
Core construction	multiple twisted polyester cores
Cover construction	16 plait braided polyester
Minimum Static Strength ex. terminations (kN)	22
Average Static Strength ex. terminations (kN)	36.4
Minimum Static Strength with terminations (kN)	15
Average Static Strength with sewn eye (kN)	22.5
Average Static Strength with fig. 8 loop (kN)	22.0
Fall Factor 1 falls. Fig. 8 loop (80kg)	5
Peak Force (kN). Fig 8 loop	6.6
Colour	white
Test standard	CE MR-1081

PROPERTY	NFPA PERFORMANCE
Diameter (mm)	11
% elongation at 1.35kN (300lbf)	1.3
% elongation at 2.7kN (600lbf)	2.1
% elongation at 4.4kN (1000lbf)	3.1
Mass Rope (g/m)	95.2
Mass rope (lb/100ft)	6.40
Colour	white
Test standard	NFPA 1983:2017
Minimum breaking strength (kN)	30.6
Minimum breaking strength (lbf)	8550
Material	recycled polyester (BlueOcean® yarn)

FOR FURTHER INFORMATION ABOUT THE MR10-81 STANDARD PLEASE DOWNLOAD THE DOCUMENT AT
WWW.MARLOWROPES.COM//PRODUCT/BLUE-OCEAN®-STATIC

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Certification Number 315

ISO 9001