

Marlow®

DATASHEET®

BLUE OCEAN® STATIC

The award-winning **BLUE OCEAN® STATIC** is made from 100% GRS certified Blue Ocean® rPET 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

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



**BLUE OCEAN STATIC - AWARDED THE WORKING AT
HEIGHT INNOVATION AWARD 2023.**

PERFORMANCE

Key Specifications:

- Material:

Blue Ocean® yarn (recycled plastic)
- Construction:

16 plait braided (32 carrier)
Multiple twisted core
- CE Certificate:

MR 10-81
- NFPA Certification:

1983 : 2017
- Colour:

White
- Lengths:

100/200m Reel
- 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)

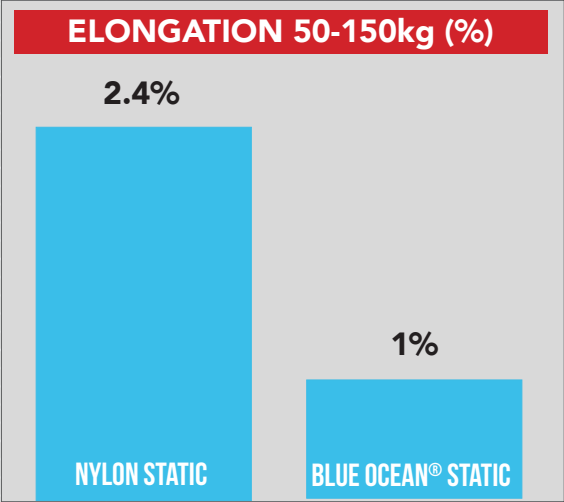
PROPERTY	NFPA PERFORMANCE
Diameter (mm)	11
% elongation at 1.35kN (300lbf)	1.3
% elongation at 2.7kN (600lbf)	2.2
% elongation at 4.4kN (1000lbf)	3.2
Mass Rope (g/m)	95.2
Mass rope (lb/100ft)	6.40
Test standard	NFPA 1983:2017
Minimum breaking strength (kN)	31.0
Minimum breaking strength (lbf)	6975
Test Standard	NFPA 2500:2022 Edition

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.



Ropes designed in accordance with ISO 10325:201
Linear MBL refers to unspliced ropes determined in accordance with ISO2307:2019

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Certificate Number 315
ISO 9001
ISO 14001

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