

Static Ropes

Industrial access, Work positioning and Abseiling

Marlow®



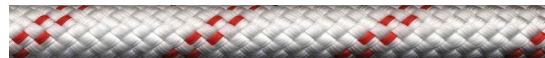
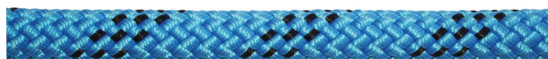
9mm



11mm



11mm Aries



10.5mm



12mm



11mm Abseil



Solid colour options

Marlow Static ropes are high quality CE certified ropes for industrial access, work positioning, abseiling and caving.

Features and Benefits

Manufactured from High tenacity Nylon:
(Not Abseil)

- Light weight
- High strength
- High energy absorption
- Good resistance to most chemicals and UV

Twisted fibre cover construction:

- Improved abrasion resistance
- Aids handling and works well with ascenders and decenders.

Solid colour options:
(11mm and 12mm only)

Easily identification of ropes in complex rigging or for different applications.

Solid Black option:

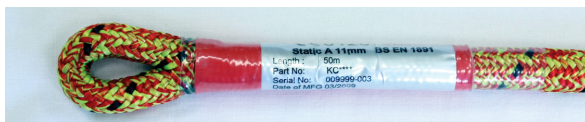
All ropes are available in black for Military and police applications.

Termination options:

All Marlow's Static and Abseil ropes can be terminated with a figure of eight knot.

All Static and Abseil ropes can be terminated by CE approved sewn eye, this is produced in Marlow's factory using the latest computer controlled sewing machinery. Each eye is individually serial numbered.

In addition the 11mm Aeries and the 11mm Abseil rope can also be spliced and serial numbered by Marlow's splicing team.



www.marlowropes.com

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Construction (9mm, 10.5mm, 11mm and 12mm Static) :

- Material Core: High Tenacity Polyamide (Nylon)
- Material Cover: High Tenacity Polyamide (Nylon)
- Core Type: Multiple twisted cores
- Cover type: 16 plait Braided (32 carrier)
- Certification: EN 1891

Construction (11mm Aeris Static) :

- Material Core: High Tenacity Polyamide
- Material Cover: High Tenacity Polyamide
- Core Type: Multiple twisted cores
- Cover type: 24 plait Braided
- Certification: EN 1891 Type A

Construction (11mm Abseil) :

- Material Core: High Tenacity Polyester
- Material Cover: High Tenacity Polyester
- Core Type: Multiple twisted cores
- Cover type: 16 plait Braided
- Certification: MR 10-81 Note: this rope is CE approved as an Abseil rope, it is not intended for use where dynamic loads (falls) may be encountered.

Performance:

PROPERTY	9mm	10.5mm	11mm	11mm (Aeris)	12mm	11 mm Polyester Abseiling
Rope Classification Type (A or B)	B	A	A	A	A	N/A
Diameter (mm)	9.1	10.4	11	10.7	12	11
Sheath Slippage (%)	0	0	0.4	0	0.2	1
50 - 150 kg Elongation %)	3.3	2	2.4	3	1.9	1
Shrinkage (%)	4.5	5	4	4	4.3	0
Mass Core (g/m)	28.5	34.7	40.6	38.8	56.8	45.1
Mass Cover (g/m)	24.5	32.5	33.1	37.2	33.6	50.2
Mass Rope (g/m)	53.0	67.2	73.8	75.9	90.3	95.4
Minimum Static Strength ex. terminations (kN)	18	22	22	22	22	22
Average Static Strength ex. terminations (kN)	25.4	33.4	35.3	35.1	42.8	30.8
Minimum Static Strength with terminations (kN)	12	15	15	15	15	15
Average Static Strength with sewn eye (kN)	18.5	25.1	30.9	29.2	36.2	27.0
Average Static Strength with fig. 8 loop (kN)	13.7	19.5	21.1	20.4	24.3	19.0
Average Static Strength with spliced eye (kN)	N/A	N/A	N/A	27.1	N/A	22.6
Fall Factor 1 falls. Fig. 8 loop	6	10+	10+	10+	10+	4
Fall Factor 1 falls. Spliced eye	N/A	N/A	N/A	10+	N/A	15
Peak Force (kN). Fig 8 loop	4.6	5.6	5.8	5.7	5.5	7.4
Peak Force (kN). Spliced eye	N/A	N/A	N/A	5.9	N/A	8.3

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