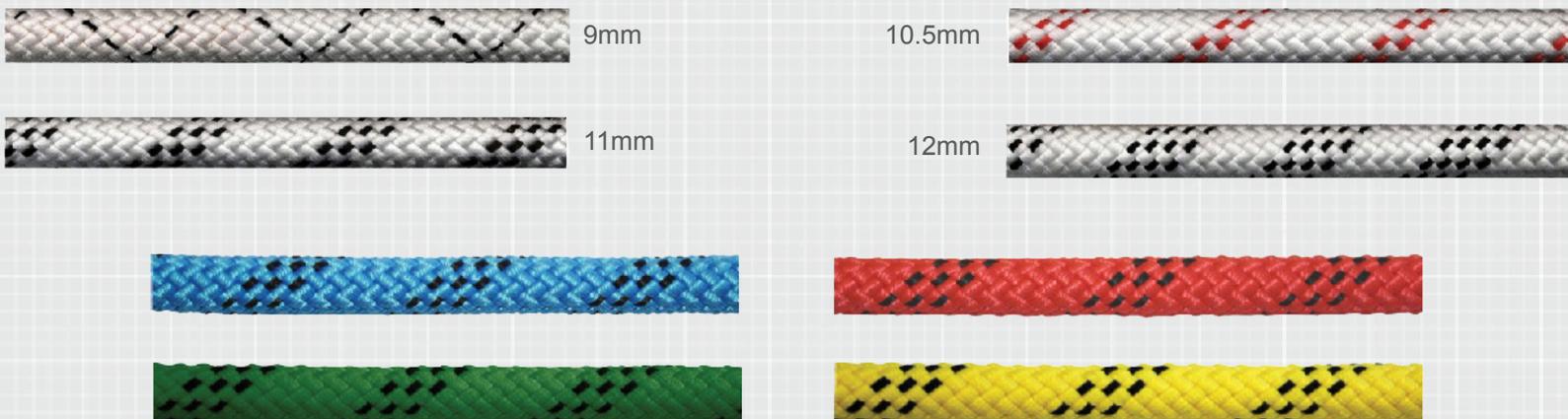


# Marlow<sup>®</sup> DATASHEET

## STATIC ROPES

Marlow Static LSK is a low stretch kernmantle rope designed for rope access, work positioning, caving and abseiling. Static LSK ropes are manufactured using high quality high tenacity polyamide and significantly out perform the standard CE 1891 test standards with outstanding dynamic properties.

Compatible with all relevant diameter rope management, climbing and descending devices. Static LSK is available in a range of flecked or solid colours and have a visible year of manufacture marker as standard.



### MATERIAL (9mm, 10.5mm, 11mm and 12mm Static)

<b>MATERIAL CORE:</b>	High Tenacity Polyamide (Nylon)
<b>MATERIAL COVER:</b>	High Tenacity Polyamide (Nylon)
<b>CORE TYPE:</b>	Multiple twisted cores
<b>COVER TYPE:</b>	16 plait Braided (32 carrier)
<b>CERTIFICATION:</b>	EN 1891 and UKCA

### CONSTRUCTION

#### MANUFACTURED FROM HIGH TENACITY NYLON

Light weight  
High strength  
High energy absorption  
Good resistance to most chemicals and UV  
Improved abrasion resistance  
Aids handling and works well with ascenders and descenders

#### TWISTED FIBRE COVER CONSTRUCTION:

#### 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

## TERMINATIONS

### TERMINATION OPTIONS:

All Marlow's Static ropes can be terminated with a figure of eight knot. All Static ropes can be terminated with a CE approved sewn eye. This is produced in Marlow's factory using the latest computer controlled sewing machinery. Each eye is individually serial numbered.



## PERFORMANCE

PROPERTY	9mm	10.5mm	11mm	12mm
Rope classification Type (A or B)	B	A	A	A
Diameter (mm)	9.1	10.4	11	12
Sheath Slippage (%)	0	0	0.4	0.2
50-150kg elongation (%)	3.3	2	2.4	1.9
Shrinkage (%)	4.5	5	4	4.3
Mass Core (g/m)	28.5	34.7	40.6	56.8
Mass Cover (g/m)	24.5	32.5	33.1	33.6
Mass Rope (g/m)	53.0	67.2	73.8	90.3
Minimum Static Strength ex. terminations (kN)	18	22	22	22
Average Static Strength ex. terminations (kN)	25.4	33.4	35.3	42.8
Minimum Static Strength with terminations (kN)	12	15	15	15
Average Static Strength with sewn eye (kN)	18.5	25.1	30.9	36.2
Average Static Strength with fig. 8 loop (kN)	13.7	19.5	21.1	24.3
Average Static Strength with spliced eye (kN)	N/A	N/A	N/A	N/A
Fall Factor 1 falls. Fig. 8 loop	6	10+	10+	10+
Fall Factor 1 falls, Spliced eye	N/A	N/A	N/A	N/A
Peak Force (kN). Fig 8 loop	4.6	5.6	5.8	5.5
Peak Force (kN). Spliced eye	N/A	N/A	N/A	N/A

Marlow Ropes Ltd  
Ropemaker Park  
Hailsham  
East Sussex, BN27 3GU  
England

Marlow Ropes, Inc.  
Cordage Business Park  
Plymouth  
MA 02360  
USA

www.marlowropes.com  
UK: +44 (0) 1323 444 444  
sales@marlowropes.com  
US: +1 508 830 444  
salesusa@marlowropes.com

### Disclaimer

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