

Marlow

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.



Solid colour options

MATERIAL (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

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 descenders

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

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ISO 9001