

Marlow[®] DATASHEET

REFLECTIVE STATIC

Reflective Static LSK is a low stretch kernmantle rope designed for rope access, work positioning, caving and abseiling at night or in dark or confined working conditions where visibility of the line is important. Reflective Static LSK ropes have the same specification and outstanding dynamic properties of our standard product.

Compatible with all relevant diameter rope management, climbing and descending devices, Reflective Static LSK is available in a range of colour options.



MATERIAL (9MM, 10.5MM, 11MM AND 12MM STATIC)

CORE:	High Tenacity Polyamide (Nylon)
COVER:	High Tenacity Polyamide (Nylon)
CORE TYPE:	Multiple twisted cores
COVER TYPE:	16 plait braided (32 carriers)
CERTIFICATION:	EN 1891 and UKCA

MATERIAL (11MM AERIS STATIC)

CORE:	High Tenacity Polyamide
COVER:	High Tenacity Polyamide
CORE TYPE:	Multiple twisted cores
COVER TYPE:	24 plait braided
CERTIFICATION:	EN 1891 Type A and UKCA

MATERIAL (11MM ABSEIL)

CORE:	High Tenacity Polyester
COVER:	High Tenacity Polyester
CORE TYPE:	Multiple twisted cores
COVER TYPE:	16 plait braided
CERTIFICATION:	MR 10-81 and UKCA

NOTE: THIS ROPE IS CE APPROVED AS AN ABSEIL ROPE, IT IS NOT INTENDED FOR USE WHERE DYNAMIC LOADS (FALLS) MAY BE ENCOUNTERED.

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
Reflective marker yarns are easily visible

TERMINATIONS

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



PERFORMANCE

PROPERTY	9MM	10.5MM	11MM	11MM (AERIS)	12MM	11MM POLYESTER ABSEILING
Rope Classification Type (A or B)	B	A	A	A	A	N/A
Diameter (mm)	9.1	10	11	11	12	11
Sheath Slippage (%)	0	0	0.4	0	0.2	1
50-150kg 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	35	40.6	39	56.8	45
Mass Cover (g/m)	24.5	24	33.1	37	33.6	50
Mass Rope (g/m)	53	67	73.8	76	90.3	95
Minimum Static Strength ex. terminations (kN)	18	22	22	22	22	22
Average Static Strength ex. terminations (kN)	25.4	33	35.3	35	42.8	31
Minimum Static Strength with terminations (kN)	12	15	15	15	15	15
Average Static Strength with sewn eye (kN)	18.5	25	30.9	29	36.2	27
Average Static Strength with fig. 8 loop (kN)	13.7	20	21.1	20	24.3	19
Average Static Strength with spliced eye (kN)	N/A	N/A	N/A	27	N/A	23
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	6	5.8	6	5.5	7

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