

The Marlow logo is written in a bold, red, sans-serif font. A registered trademark symbol (®) is located at the top right of the word.

Marlow®

WORKING AT HEIGHT

A low-angle photograph of two construction workers on a building facade. The workers are wearing safety gear, including helmets and harnesses, and are suspended by ropes. The building features classical architectural elements like columns and arches. The sky is clear and blue. A grid pattern is overlaid on the bottom right of the image.

**PAST
PRESENT
FUTURE**

ISSUE 1



An aerial photograph of a coastline, showing a dark blue sea meeting a light-colored, sandy or rocky shore. The image is overlaid with a white grid pattern. A large, white, diagonal shape is present in the upper left corner, partially obscuring the grid and the landscape.

Marlow[®]

Marlow Ropes' certified and NFPA compliant ropes are field proven and trusted by Work Positioning and Working at Height professionals around the world across various industries. Our 200 year heritage and expertise has enabled us to develop a specialised range that suits the demands of this complex sector.

Our consumers range from fire and rescue departments, arborists, event and film riggers, offshore industrial, utilities and restoration professionals.

We are proud of our global distribution network and our range is stocked both at our premises in the Massachusetts and in California, allowing us to deliver shorter shipping times.

Safety is a crucial part of our development at Marlow and we ensure that the high performance of our products is maintained through rigorous ISO 9001:2015 quality standards - our products are tried and tested in various working environments and we work with our consumers to understand the changing needs of the working at height industry.

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Marlow[®]

ROPE ACCESS

Our Rope Access Series includes semi-static, dynamic and specialist ropes for abseiling in high-abrasion environments. We have also developed specialist rope ranges that include a heat resistant semi-static series and an innovative halo-chromic semi-static rope.

All with Marlow's trademark excellence in design, quality and performance.

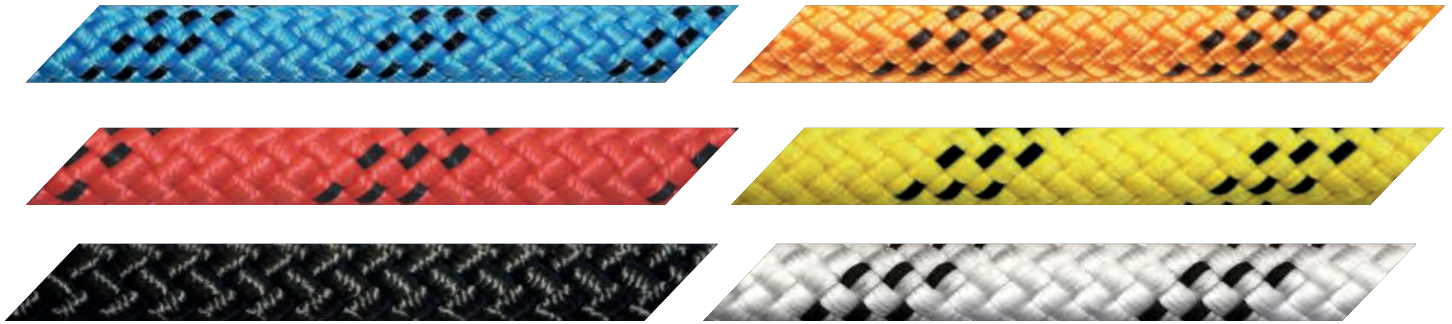
Always look for the Marlow Black Marker™

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AFTER ASCENDING AND DESCENDING ON THE **STATIC LSK 11mm** ROPES, I CAME TO LOVE THE PERFECT BALANCE BETWEEN ITS DURABLE SHEATH AND THE WAY IT HANDLES KNOTS. THEY ARE PERFECT FOR ROPE ACCESS.

TRASK BRADBURY,
MASTERPOINT ROPE ACCESS SOLUTIONS

ACCESS ROPES



STATIC LSK

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 rope management, climbing and descending devices, Static LSK also comes in a range of flecked or solid colors and have a visible year of manufacture marker as standard.

Applications

Industrial access, work positioning, abseiling, caving.

Key attributes

High-strength, high flex / soft handling, CE certified.

Benefits

High-strength, high energy absorption, good abrasion resistance, works well with ascenders and descenders, visible year marker.

SPECIFICATIONS

| | |
|---------------------|---|
| TEST STANDARD | CE EN 1891 TYPE A (EXCEPT 9MM CERTIFIED EN 1891 TYPE B) |
| CONSTRUCTION | MULTIPLE TWISTED NYLON CORES |
| COVER CONSTRUCTION | 16 PLAIT |
| CORE MATERIAL | POLYAMIDE (NYLON) |
| COVER MATERIAL | POLYAMIDE (NYLON) |
| TERMINATION OPTIONS | KNOT, SEWN EYE |



REFLECTIVE STATIC

Reflective Static LSK ropes have the same specification and outstanding dynamic properties of our standard Static LSK. Compatible with all rope management, climbing and descending devices, Reflective Static LSK is available in a range of color options.

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.

Applications

Industrial access, work positioning, abseiling, caving, confined spaces, working at night.

Key attributes High-strength, high flex, soft handling, high visibility, CE certified.

Benefits

High-strength, high-elongation, high energy absorption, good abrasion resistance, works well with ascenders and descenders, visible year marker, reflective marker yarns are easily visible. Good resistance to most chemicals and UV.

*SPECIFICATION

| | 9mm | 10.5mm | 11mm | 12mm |
|-------------------------------------|----------------------|----------------------|----------------------|----------------------|
| DIAMETER | 11/32" | 13/32" | 7/16" | 15/32" |
| WEIGHT kg/100m | 5.30 | 6.72 | 7.38 | 9.03 |
| WEIGHT lbs/100ft | 3.56 | 4.52 | 4.96 | 6.07 |
| LENGTHS | 50m, 60m, 100m, 200m | 50m, 60m, 100m, 200m | 50m, 60m, 100m, 200m | 50m, 60m, 100m, 200m |
| AV. BREAKLOAD (kN) | 25.4kN | 33.4kN | 35.3kN | 42.8kN |
| AV. BREAKLOAD (lbs) | 5710lbs | 7510lbs | 7830lbs | 9620lbs |
| AV. BREAKLOAD WITH FIG 8 LOOP (kN) | 13.7kN | 19.5kN | 21.1kN | 24.3kN |
| AV. BREAKLOAD WITH FIG 8 LOOP (lbs) | 3080lbs | 4380lbs | 4740lbs | 5460lbs |

*THIS CHART REFERS TO STATIC LSK ROPES, REFLECTIVE STATIC, PH-I STATIC, PH-I STATIC REFLECTIVE

COLORS: WHITE WITH BLACK OR RED FLECK, SOLID BLACK, SOLID RED, SOLID BLUE, SOLID GREEN, SOLID YELLOW, HI-VIS ORANGE

BEFORE EXPOSURE

AFTER EXPOSURE

PH-I STATIC REFLECTIVE

pH-I Static Reflective has the same unique color change marker as standard pH-I Static when exposed to strong acids but with the addition of retro-reflective markers for when rope visibility is important whilst working in confined or dark spaces. pH-I Static Reflective is an EN 1891 certified static rope with all the usual benefits of Marlow Static LSK.

BEFORE EXPOSURE

AFTER EXPOSURE

PH-I STATIC

pH-I Static has a unique color change marker that will change from yellow to red when exposed to strong acids. Even a 20-second exposure to some acids can weaken a rope by 25%, compromising safety. Longer exposure will increase this strength loss. pH-I Static (Permanent Halochromic Indicating) offers a clearly defined permanent color change, indicating when a rope has been compromised by strong acid chemicals and should be retired. pH-I Static is an EN 1891-certified static rope.

Applications

Industrial access, cleaning with chemicals, paint stripping, lime scale stripping, weld preparation.

Key attributes

High-strength, high flex / soft handling, CE certified.

Benefits

High-strength, high energy absorption, good abrasion resistance, works well with ascenders and descenders, visible year marker, chemical exposure alert.

Other info

Marlow's pH-i indicator is an aid to retirement and not a definitive indicator for every chemical. There are chemicals that will damage the rope and will not be indicated by the rope. ie/ Peroxide and phenol. Care must be taken to avoid exposing the rope to any chemical. If in doubt, retire the rope.

SPECIFICATIONS

| | |
|---------------------|--|
| TEST STANDARD | CE EN 1891 TYPE A (EXCEPT 9MM CERTIFIED EN1891 TYPE B) |
| CONSTRUCTION | MULTIPLE TWISTED NYLON CORES |
| COVER CONSTRUCTION | 16 PLAIT |
| CORE MATERIAL | POLYAMIDE (NYLON) |
| COVER MATERIAL | POLYAMIDE (NYLON) |
| TERMINATION OPTIONS | KNOT, SEWN EYE |
| COATING (OPTIONS) | HALOCHROMIC COATING (MARKERS ONLY) |

BLACK MARLOW

SPECIFICATIONS

| | 9mm | 11mm |
|-------------------------------------|----------------------------|----------------------------|
| DIAMETER | 11/32" | 7/16" |
| WEIGHT kg/100m | 6.7 | 9.54 |
| WEIGHT lbs/100ft | 4.50 | 6.41 |
| COLORS | BLACK | BLACK, WHITE |
| LENGTHS | 50m, 61m, 100m, 200m, 220m | 50m, 61m, 100m, 200m, 220m |
| AV. BREAKLOAD (kN) | 20.3kN | 30.8kN |
| AV. BREAKLOAD (lbs) | 4560lbs | 6920lbs |
| AV. BREAKLOAD WITH FIG 8 LOOP (kN) | | 19kN |
| AV. BREAKLOAD WITH FIG 8 LOOP (lbs) | | 4270lbs |
| TEST STANDARD | | MR 10-81 |
| CONSTRUCTION | MULTIPLE TWISTED CORES | MULTIPLE TWISTED CORES |
| COVER CONSTRUCTION | 16 PLAIT | 16 PLAIT |
| CORE MATERIAL | POLYESTER | POLYESTER |
| COVER MATERIAL | POLYESTER | POLYESTER |
| TERMINATION OPTIONS | KNOT, SEWN EYE | KNOT, SEWN EYE |

Known worldwide as "BLACK MARLOW", Marlow Abseil Rope is a tried and tested, high quality rappelling rope used by defense forces around the world.

Specifically designed for rapid descent from helicopters, rock faces and in urban warfare situations, the combination of special cover construction and low-stretch core ensures high performance and reliability.

Applications

Abseiling, rappelling.

Key attributes

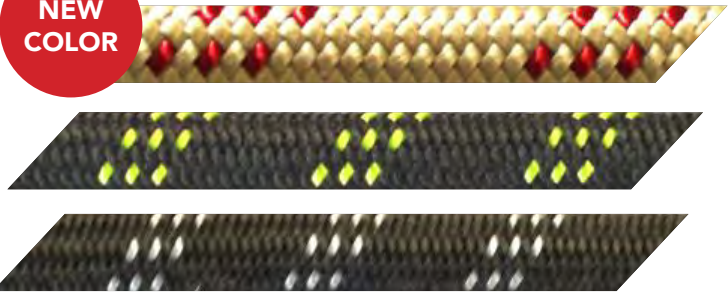
High abrasion resistance, high flex / soft handling, CE Certified (11mm only).

Benefits

Good-strength, excellent abrasion resistance, low-elongation, works well with ascenders and descenders, color contrast core / cover.

HEAT RESISTANT ROPES

NEW
COLOR



PROTEC 500

The ProTec 500 is an innovative, CE Certified EN1891 Type A 11mm rope with a 100% Technora® cover, essential for Rope Access professionals who require a work positioning rope with outstanding heat-resistant properties. Ideal for use around hot pipes and in welding operations due to the cover's ability to withstand up to 500°C (932°F) before decomposing.

Available with a grey or lime marker.

Applications

Hot work at height, grinding, welding, work positioning, work near hot pipes.

Key attributes

CE Certified, cut/abrasion resistance, heat-resistant cover, high temperature polyester indicators that melt/fuse if exposed to elevated temperatures over 250°C (482°F).

Benefits

High-heat resistant cover. Cover decomposes at 500°C (932°F). Provides additional safety when undertaking 'hot work' or when working in proximity to hot pipes, lighting etc. The hi-visibility markers melt/fuse if exposed to temperatures over 250°C (482°F) providing visual and tactile evidence of high temperature exposure.

SPECIFICATIONS

| | |
|-----------------------------------|---|
| DIAMETER | 11mm |
| DIAMETER | 7/16" |
| WEIGHT kg/100m | 8.30 |
| WEIGHT lbs/100ft | 5.58 |
| COLORS | GREY WITH LIME OR LIGHT GREY FLECK OR GOLD WITH RED FLECK |
| LENGTHS | 100m, 200m reels |
| AV. BREAKLOAD | 49.1kN |
| AV. BREAKLOAD | 11000lbs |
| AVERAGE BREAKLOAD WITH FIG 8 LOOP | 24.4kN |
| AVERAGE BREAKLOAD WITH FIG 8 LOOP | 5480lbs |
| TEST STANDARDS | CE EN 1891 TYPE A |
| CORE CONSTRUCTION | MUTIPLE TWISTED NYLON |
| COVER CONSTRUCTION | 32 PLAIT TECHNORA® AND POLYESTER MARKERS |



**NEW
COLOR**

DIABLO

Marlow Diablo is a high quality, CE certified Type A rope with a special heat-resistant cover. Diablo is essential for all Rope Access professionals who require a low-stretch kernmantle rope with added resistance to extreme environments and hard use.

When exposed to direct heat (for example from a blow torch or close proximity to halogen lamps), Diablo's survival time at temperatures exceeding 300°C (572°F) is 5 times that of regular static ropes. In instances of heat exposure up to 300°C (572°F), Diablo continues to maintain load bearing properties in excess of 10kN even after 15 minutes, whereas regular static ropes will catastrophically fail after 45 seconds.

Applications

Abseiling, work positioning, industrial rope access, rapid descent, working near hot pipes.

Key attributes

High-abrasion resistance, high flex / soft handling, CE Certified, heat-resistant.

Benefits

Lightweight, high-strength, good energy absorption, excellent abrasion-resistance, excellent heat-resistance, improved insulation buffer zone, improved cut-resistance, single cover easily inspected for damage, works well with ascenders and descenders.

SPECIFICATIONS

| | |
|-----------------------------------|--------------------------------------|
| DIAMETER | 11mm |
| DIAMETER | 7/16" |
| WEIGHT kg/100m | 8.25 |
| WEIGHT lbs/100ft | 5.54 |
| COLORS | BLACK OR ORANGE/BLACK OR ORANGE/GOLD |
| LENGTHS | 61m, 100m, 200m |
| AV. BREAKLOAD (kN) | 35.5kN |
| AV. BREAKLOAD (lbs) | 7980lbs |
| AVERAGE BREAKLOAD WITH FIG 8 LOOP | 18.3kN |
| AVERAGE BREAKLOAD WITH FIG 8 LOOP | 4110lbs |
| TEST STANDARDS | CE EN 1891 TYPE A |
| CONSTRUCTION | MULTIPLE TWISTED CORES |
| COVER CONSTRUCTION | 24 PLAIT TECHNORA®/POLYAMIDE (NYLON) |
| CORE MATERIAL | POLYAMIDE (NYLON) |
| TERMINATION OPTIONS | KNOT, SEWN EYE |

ARAMID ABSEIL

Heat generated from rapid descents can (in some cases) melt the polyester fibers of regular ropes. Marlow has used the heat-resistant properties of Aramid fibers to create a rappelling rope with a cover that doesn't melt and has the decomposition temperature of 500°C (932°F)

Based on the tough Black Marlow abseil rope, Aramid Abseil is essential for all professionals who require a low-stretch rappelling rope with outstanding resistance to extreme environments and hard use.

Applications

Abseiling, rappelling, rapid descent.

Key attributes Low-stretch, high-abrasion resistance, high flex / soft handling, heat-resistant.

Benefits

Outstanding abrasion resistance, outstanding heat-resistance, works well with ascenders and descenders, low-elongation, excellent cut-resistance.

***This rope is not CE Certified**

***Minimum orders may apply**

SPECIFICATIONS

| | |
|---------------------|------------------------|
| DIAMETER | 11mm |
| DIAMETER | 7/16" |
| WEIGHT kg/100m | 9.41 |
| WEIGHT lbs/100ft | 6.32 |
| COLORS | YELLOW, BLACK |
| LENGTHS | 100m, 200m |
| AV. BREAKLOAD | 39.1kN |
| CONSTRUCTION | MULTIPLE TWISTED CORES |
| COVER CONSTRUCTION | 16 PLAIT |
| CORE MATERIAL | POLYESTER |
| COVER MATERIAL | PARA-ARAMID |
| TERMINATION OPTIONS | KNOT, SEWN EYE |

DYNAMIC ROPES

DYNAMIC CLIMBING ROPES



A combination of good handling, abrasion resistance and outstanding energy absorption, make Marlow Dynamic Climbing ropes ideal for climbing as well as safety and back up lines when abseiling or work positioning.

Applications Climbing, safety line, back up line, fall arrest.

Key attributes High-elongation, CE certified.

Benefits Outstanding energy absorption, good abrasion-resistance, good-strength.

SPECIFICATIONS

| | | |
|---------------------|------------------------|---------------------------|
| DIAMETER | 10.5mm | 11mm |
| DIAMETER | 13/32" | 7/16" |
| WEIGHT kg/100m | 6.80 | 7.80 |
| WEIGHT lbs/100ft | 4.57 | 5.24 |
| COLORS | RED, BLACK, OLIVE DRAB | ORANGE, BLACK, OLIVE DRAB |
| LENGTHS | 50m, 100m, 200m | 50m, 100m, 200m |
| TEST STANDARD | CE EN 892 | CE EN 892 |
| CONSTRUCTION | MULTIPLE TWISTED CORES | MULTIPLE TWISTED CORES |
| COVER CONSTRUCTION | 20 PLAIT | 24 PLAIT |
| CORE MATERIAL | POLYAMIDE (NYLON) | POLYAMIDE (NYLON) |
| COVER MATERIAL | POLYAMIDE (NYLON) | POLYAMIDE (NYLON) |
| TERMINATION OPTIONS | KNOT, SEWN EYE | KNOT, SEWN EYE |

NFPA ROPES

RESQTEC LSK

Marlow ResQtec LSK is a low-stretch kernmantle rope designed for rope access, work positioning, caving and abseiling. ResQtec LSK ropes are manufactured from 100% high tenacity polyester and offer excellent strength with slightly lower elongation than polyamide (nylon) static ropes.

Fully NFPA compliant and compatible with all relevant diameter rope management, climbing and descending devices, ResQtec LSK is available in a range of high visibility solid colours for clear identification.

Applications Industrial access, work positioning, abseiling, caving.

Key attributes Low-stretch, high flex / soft handling.



Benefits

High-strength, good elongation, good energy absorption, good abrasion-resistance, works well with ascenders and descenders, hi-visibility colors.

SPECIFICATIONS

| | |
|---------------------|---|
| DIAMETER | 3/8", 7/16", 1/2", 5/8" |
| WEIGHT lbs/100m | 4.72, 6.24, 8.03, 13.1 |
| COLORS | BLACK, BLUE, RED, LIME |
| LENGTHS | 61m/ 200ft, 92m/ 300ft, 183m/ 600ft |
| AV. BREAKLOAD | 25kN/ 5611lbf, 32.4kN/ 7279lbf, 38.5kN/ 8652lbf, 53.6kN/ 12046lbf |
| TEST STANDARDS | NFPA 1983 |
| CONSTRUCTION | MULTIPLE TWISTED CORES |
| COVER CONSTRUCTION | 16 OR 24 PLAIT |
| CORE MATERIAL | POLYESTER |
| COVER MATERIAL | POLYESTER |
| TERMINATION OPTIONS | KNOT, SEWN EYE |



Marlow[®]

ARBORICULTURE

Our Arboriculture Series includes climbing, rigging and accessory lines which are field proven and trusted by arborists around the world.

From hard wearing arboreal tree climbing ropes, to super-strong and lightweight Dyneema[®] rigging slings and throw lines, or heat-resistant accessory cords for prusik loops and friction hitches; Marlow excels in the design, quality and performance of Arborist equipment.

Always look for the Marlow Black Marker™

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MARLOW'S VEGA IS A FIRM SMOOTH-PROFILED 11.7mm ROPE. THE SKINNY, FIRM LINE WILL SUIT ANY MECHANICAL POSITIONING OR ACCESS DEVICE, AND IT WILL ALSO WORK AS AN ACCESS LINE IF NEEDED.

JOE HARRIS
ARBORIST, INTO TREES



CLIMBING ROPES

VEGA



Vega is an innovative, CE certified light-weight arborist climbing rope, a product that boasts the lowest elongation currently on the market (1.2%). Designed specifically for the new generation of mechanical climbing devices and modern climbing techniques.

Vega has a tough polyester core that provides extremely low elongation while also being high energy absorbing - ideal for SRT climbing. The 24 plait polyester jacket gives a rope with exceptional flexibility and handling without compromising on durability.

| | | |
|--|--------------|----------------------------|
|  | COLORS | ORANGE/GREY OR LIME/GREY |
|  | TERMINATIONS | SPLICED, UNSPLICED OR SEWN |

SPECIFICATIONS

| APPLICATIONS | CLIMBING | CLIMBING |
|-------------------|----------------------------|----------------------------|
| DIAMETER | 11.7mm | 15/32" |
| LENGTHS | 25m, 35m, 45m, 200m | 120ft, 150ft, 200ft, 600ft |
| WEIGHT | 100.9 (g/m) | 6.78 (lbs/100ft) |
| WEIGHT COVER | 55.6 (g/m) | 3.74 (lbs/100ft) |
| WEIGHT CORE | 45.2 (g/m) | 3.04 (lbs/100ft) |
| AVERAGE BREAKLOAD | 36.8kN | 8270lbs |
| TEST STANDARDS | CE EN 1891 TYPE B | CE EN 1891 TYPE B |
| COVER MATERIAL | 24 PLAIT POLYESTER JACKET | 24 PLAIT POLYESTER JACKET |
| CORE MATERIAL | MULTIPLE TWISTED POLYESTER | MULTIPLE TWISTED POLYESTER |

VENOM

Venom is a lightweight 11.8mm arborist climbing line designed for the new generation of mechanical climbing devices and modern climbing techniques, either on single or doubled rope. Venom has a braided nylon core that works with the 24-plait jacket to give a rope with exceptional flexibility and handling without compromising durability.

Perfect flexibility and diameter for compatibility with the latest climbing devices. Good energy absorption for safety. Light-weight for easy handling. Serial numbered factory terminations for regulatory compliance.

| | | |
|--|--------------|----------------------------|
|  | COLORS | ORANGE/RED OR BLUE/YELLOW |
|  | TERMINATIONS | SPLICED, UNSPLICED OR SEWN |



SPECIFICATIONS



| APPLICATIONS | CLIMBING | CLIMBING |
|-------------------|---------------------|----------------------------|
| DIAMETER | 11.8mm | 15/32" |
| LENGTHS | 25m, 35m, 45m, 200m | 120ft, 150ft, 200ft, 600ft |
| WEIGHT | 89.7.9 (g/m) | 6.03 (lbs/100ft) |
| WEIGHT COVER | 37.7 (g/m) | 2.53 (lbs/100ft) |
| WEIGHT CORE | 51.8 (g/m) | 3.48 (lbs/100ft) |
| AVERAGE BREAKLOAD | 33.5kN | 7530lbs |
| TEST STANDARDS | CE EN 1891 TYPE B | CE EN 1891 TYPE B |
| COVER MATERIAL | 24 PLAIT NYLON | 24 PLAIT NYLON |

GECKO FCR 2



GECKO 2



| | | |
|--|--------------|--------------------------------------|
|  | COLORS | YELLOW/RED, ORANGE/BLUE & PINK/WHITE |
|  | TERMINATIONS | SPLICED OR SEWN |

SPECIFICATIONS

| APPLICATIONS | CLIMBING | CLIMBING |
|-------------------|---------------------------|------------------------------------|
| DIAMETER | 13mm | 1/2" |
| LENGTHS | 25m, 35m, 45m, 200m | 120ft, 150ft, 200ft, 600ft, 1200ft |
| WEIGHT | 125.4 (g/m) | 8.43 (lbs/100ft) |
| WEIGHT COVER | 91.4 (g/m) | 6.14 (lbs/100ft) |
| WEIGHT CORE | 34.0 (g/m) | 2.28 (lbs/100ft) |
| AVERAGE BREAKLOAD | 32.1kN | 7210lbs |
| TEST STANDARDS | CE EN 1891 TYPE A | CE EN 1891 TYPE A |
| CORE MATERIAL | MUTIPLE TWISTED POLYESTER | MUTIPLE TWISTED POLYESTER |
| COVER MATERIAL | POLYESTER | POLYESTER |

Designed as a traditional 13mm climbing rope for double rope technique, Gecko and Komodo has a tough and durable 16 plait polyester cover making the rope supple and hardwearing - ideal for use with friction hitches.

13mm diameter for easy handling. Range of hi-vis colors for identification and safety. Serial numbered factory terminations for regulatory compliance.

ACCESSORY CORDS



BOA CORD



Marlow Boa has a hard-wearing 16 plait polyester cover with a braided polyester core. This anti-kink construction means Boa is ideal for use as a prusik and other friction hitches, offering easy knot tying and good grip.

High-tenacity polyester balances economy and performance. Tough 16 plait construction for durability and flexibility.

SPECIFICATIONS

| APPLICATIONS | PRUSIK | PRUSIK |
|-------------------|--------------------|--------------------|
| DIAMETER | 9mm | 11/32" |
| LENGTHS | 200m reels | 200m reels |
| WEIGHT | 65.1(g/m) | 4.37 (lbs/100ft) |
| AVERAGE BREAKLOAD | 20.6kN | 4630lbs |
| TEST STANDARDS | CE APPROVED | CE APPROVED |
| COVER MATERIAL | 16 PLAIT POLYESTER | 16 PLAIT POLYESTER |

| | |
|--------------|------------|
| COLORS | BLACK/LIME |
| TERMINATIONS | N/A |



BOA LOOP



Factory terminated, CE certified loop made using the tough and proven anti-kink Boa cord.

High-strength termination conforms to CE EN 566. Serial numbered, factory CNC sewn terminations for regulatory compliance.

| | |
|--------------|------------|
| COLORS | BLACK/LIME |
| TERMINATIONS | SEWN LOOP |

SPECIFICATIONS

| APPLICATIONS | PRUSIK | PRUSIK |
|-------------------|-----------------------|-----------------------|
| DIAMETER | 9mm | 11/32" |
| LENGTHS | 50cm / 60cm / 70cm | 50cm / 60cm / 70cm |
| UNIT WEIGHT | 71.6g / 84.6g / 97.7g | 71.6g / 84.6g / 97.7g |
| AVERAGE BREAKLOAD | 27.4kN | 5550lbs |
| TEST STANDARDS | CE EN 566 | CE EN 566 |
| COVER MATERIAL | 16 PLAIT POLYESTER | 16 PLAIT POLYESTER |
| CORE MATERIAL | POLYESTER | POLYESTER |

VIPER LOOP



Factory terminated, CE certified loop made using the durable and heat-resistant Viper cord.

High-strength termination conforms to CE EN 566. Serial numbered, factory CNC sewn terminations for regulatory compliance.

| | |
|--------------|--------------|
| COLORS | BLUE/NATURAL |
| TERMINATIONS | SEWN LOOP |

SPECIFICATIONS

| APPLICATIONS | PRUSIK | PRUSIK |
|-------------------|-----------------------|-----------------------|
| DIAMETER | 8mm | 5/16" |
| LENGTHS | 50cm / 60cm / 70cm | 50cm / 60cm / 70cm |
| UNIT WEIGHT | 49.3g / 58.2g / 67.2g | 49.3g / 58.2g / 67.2g |
| AVERAGE BREAKLOAD | 27.2kN | 6110lbs |
| TEST STANDARDS | CE EN 566 | CE EN 566 |
| COVER MATERIAL | VECTRAN / POLYESTER | VECTRAN / POLYESTER |



VIPER2 SLING



A factory sewn CE certified eye-to-eye sling made using a high strength cord incorporating the proven Viper Vectran® cover. Viper2 slings have short stitching for efficient technique.

High-strength termination conforms to CE EN 566. Serial numbered, factory CNC sewn terminations for regulatory compliance.

SPECIFICATIONS

| APPLICATIONS | PRUSIK | PRUSIK |
|-------------------|---|---|
| DIAMETER | 8mm | 5/16" |
| LENGTHS | 50cm / 60cm / 70cm / 80cm / 90cm / 1m | 50cm / 60cm / 70cm / 80cm / 90cm / 1m |
| UNIT WEIGHT | 57.2g / 64.6g / 72g / 75.5g / 80.9g / 86.2g | 57.2g / 64.6g / 72g / 75.5g / 80.9g / 86.2g |
| AVERAGE BREAKLOAD | 23.6kN | 5300lbs |
| TEST STANDARDS | CE EN 566 | CE EN 566 |
| COVER MATERIAL | VECTRAN / POLYESTER | VECTRAN / POLYESTER |

| | |
|--------------|----------------|
| COLORS | PURPLE/NATURAL |
| TERMINATIONS | SEWN EYES |



VIPER CORD



Marlow Viper is a Vectran® / polyester accessory cord designed for use as a high performance friction cord where heat generation is an issue. The high melting point of Vectran® prolongs the working life of the cord in tough or heavy use conditions.

High-strength and heat-resistant Vectran® cover for longevity in heavy use. 24 plait construction offers easy knotability in a smaller diameter and consistent friction performance.

SPECIFICATIONS

| APPLICATIONS | PRUSIK | PRUSIK | PRUSIK | PRUSIK |
|-------------------|------------|------------------|------------|------------------|
| DIAMETER | 8mm | 5/16" | 10mm* | 13/32" |
| LENGTHS | 200m reels | 200m reels | 100m reels | 100m reels |
| WEIGHT | 44.8 (g/m) | 3.01 (lbs/100ft) | 57.0g/m | 3.83 (lbs/100ft) |
| AVERAGE BREAKLOAD | 18.8kN | 4420lbs | 27.9kN | 6260lbs |
| TEST STANDARDS | CE EN 564 | CE EN 564 | N/A | N/A |

COLORS BLUE/NATURAL GREY/NATURAL

* 10mm (13/32") is not CE Certified

TERMINATIONS N/A N/A

ACCESSORY CORD



Strong, light, polyamide (Nylon) accessory cord provides ideal performance for a variety of applications.

Key attributes CE Certified (4mm, 5mm, 6mm and 8mm only).

Applications General purpose accessory cord.

Benefits Strong, light, good-elongation.

SPECIFICATIONS

| | 3mm | 4mm | 5mm | 6mm | 7mm | 8mm |
|---------------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| DIAMETER | 1/8" | 5/32" | 3/16" | 1/4" | 9/32" | 5/16" |
| WEIGHT kg/100m | 0.70 | 1.3 | 1.42 | 2.27 | 3.00 | 3.79 |
| WEIGHT lbs/100ft | 0.47 | 0.87 | 0.95 | 1.53 | 2.02 | 2.55 |
| LENGTHS | 100m, 200m | 100m, 200m | 100m, 200m | 100m, 200m | 100m, 200m | 100m, 200m |
| AV. BREAKLOAD (kN) | 2.00kN | 3.60kN | 5.60kN | 8.00kN | 10.9kN | 14.2kN |
| AV. BREAKLOAD (lbs) | 448lbs | 809lbs | 1260lbs | 1800lbs | 2450lbs | 3190lbs |
| TEST STANDARD | | CE EN 564 | CE EN 564 | CE EN 564 | | CE EN 564 |
| CORE CONSTRUCTION | TWISTED | TWISTED | TWISTED | TWISTED | TWISTED | TWISTED |
| COVER CONSTRUCTION | 16 PLAIT | 16 PLAIT | 16 PLAIT | 16 PLAIT | 16 PLAIT | 16 PLAIT |
| CORE MATERIAL | POLYAMIDE (NYLON) | POLYAMIDE (NYLON) | POLYAMIDE (NYLON) | POLYAMIDE (NYLON) | POLYAMIDE (NYLON) | POLYAMIDE (NYLON) |
| COVER MATERIAL | POLYAMIDE (NYLON) | POLYAMIDE (NYLON) | POLYAMIDE (NYLON) | POLYAMIDE (NYLON) | POLYAMIDE (NYLON) | POLYAMIDE (NYLON) |
| TERMINATION OPTIONS | KNOT | KNOT | KNOT | KNOT | KNOT | KNOT |

SMALL CORDS



WIRECORE FLIPLINE



Marlow Fliplines are CE certified work positioning lanyards made using flexible and strong 7x19 galvanized steel wire core with tough 16 plait polyester cover.

Galvanized 7x19 wire provides zero stretch, resistance and gives ideal balance of flexibility and weight for improved flip performance. 16 plait polyester cover for excellent abrasion resistance and provides grip against the tree. 13mm diameter compatible with rope grabs and other adjustment methods.

SPECIFICATIONS

| | |
|-------------------|-----------------------------|
| APPLICATIONS | WORK POSITIONING |
| DIAMETER | 13mm |
| DIAMETER | 1/2" |
| LENGTHS | 2m / 3m / 4m / 5m |
| UNIT WEIGHT | 646g / 864g / 1082g / 1300g |
| AVERAGE BREAKLOAD | 30kN |
| AVERAGE BREAKLOAD | 6740lbs |
| TEST STANDARDS | CE EN 354 |
| CORE MATERIAL | GALVANIZED STEEL WIRE |
| COVER MATERIAL | POLYESTER |



COLORS ORANGE/BLUE OR DARK ORANGE/BLUE



TERMINATIONS FERRULED EYE WITH OR WITHOUT SNAP HOOKS (FIXED OR SWIVEL)

SPLIT TAILS

Marlow Split Tails are made from our CE certified Gecko climbing ropes and finished with strong factory sewn eye termination. Available in 3 lengths.

Serial numbered, sewn terminations for regulatory compliance.



SPECIFICATIONS

| | |
|-------------------|--------------------|
| APPLICATIONS | CLIMBING SYSTEMS |
| DIAMETER | 13mm |
| DIAMETER | 1/2" |
| LENGTHS | 1.5m / 3.5m / 5m |
| UNIT WEIGHT | 188g / 439g / 627g |
| AVERAGE BREAKLOAD | 28.3kN |
| AVERAGE BREAKLOAD | 6360lbs |
| TEST STANDARDS | CE EN 1891 |
| COVER MATERIAL | POLYESTER |



COLORS VARIOUS



TERMINATIONS SEWN EYE

MARLOW WINCHLINE



Marlow Winchline has a low-stretch, high-strength 12 strand construction. Improved abrasion resistance which protects from ingress of dirt, grit and oil.

Available pre-spliced with a choice of 'standard' or 'competition' hook.



GREAT FOR USE WITH ARB MACHINERY

SPECIFICATIONS

| DIAMETER | | WEIGHT | | AVERAGE SPLICED LENGTH | | | MIN BREAK LOAD (kN) | | |
|----------|-------|--------|----------|------------------------|-------|-------|---------------------|-------|-------|
| mm | inch | g/m | lb/100ft | kg | lb | kN | kg | lb | kN |
| 6 | 7/32 | 19.6 | 1.32 | 3130 | 6900 | 30.7 | 2880 | 6350 | 28.3 |
| 8 | 5/16 | 24.5 | 2.30 | 6340 | 14000 | 62.2 | 5830 | 12900 | 57.2 |
| 9 | 23/64 | 34.3 | 2.80 | 7640 | 16800 | 75.0 | 7030 | 15500 | 69.0 |
| 10 | 13/32 | 41.7 | 3.46 | 9530 | 21000 | 93.5 | 8770 | 19300 | 86.0 |
| 11 | 7/16 | 51.5 | 4.11 | 11700 | 25800 | 114.9 | 10800 | 23800 | 105.7 |
| 12 | 15/32 | 71.1 | 4.77 | 13400 | 29500 | 131.4 | 12300 | 27200 | 120.9 |



MINI-SPOOL DISPENSER - RETAIL DISPLAY

Marlow's Mini-Spool Dispenser is a great point-of-sale display for cashdesk spaces and table-tops, available free of charge when purchased with 16 mini-spool reels from our Throwline range.

Spools can be re-ordered as and when required.



DISPENSER MEASUREMENTS

200 X 70 X 315mm
(H X W X D)



THROWLINE

Supplied on handy 50m mini-spools, our popular 2mm Throwline has a smooth and hardwearing polyester cover.

Excellent handling characteristics and longevity.

SPECIFICATIONS

| APPLICATIONS | THROWLINE | THROWLINE |
|-------------------|-----------|------------------|
| DIAMETER | 2mm | 5/64" |
| LENGTHS | 50m | 164" |
| WEIGHT | 2.7g/m | 0.18 (lbs/100ft) |
| MINIMUM BREAKLOAD | 0.97kN | 218lbs |
| MATERIAL | POLYESTER | POLYESTER |



COLOR ORANGE OR LIME



DYNEEMA THROWLINE

For easier handling and higher breaking strength, the Dyneema® Throwline is over 3 times as strong as our standard polyester product, but is 12% lighter.

Light, strong and hardwearing.



SPECIFICATIONS

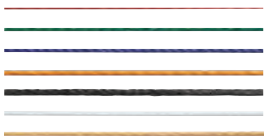
| APPLICATIONS | THROWLINE | THROWLINE |
|-------------------|-----------|------------------|
| DIAMETER | 1.8mm | 1/16" |
| LENGTHS | 61m, 50m | 200", 164" |
| WEIGHT | 2.4g/m | 0.16 (lbs/100ft) |
| MINIMUM BREAKLOAD | 4.0kN | 901lbs |
| MATERIAL | DYNEEMA® | DYNEEMA® |



COLOR YELLOW



WHIPPING TWINE



Marlow's waxed polyester Whipping Twine is widely regarded as the best Whipping Twine on the market.

Available in four sizes and a variety of colors (no.4 only). The waxed finish makes for easier whipping and a better finish. Available in "display boxes" of spools or on 1kg cops.

SPECIFICATIONS

| SIZE | NO.2 (Thin) | NO.4 (Med.) | NO.4 (Med.) | NO.4 (Med.) | NO.4 (Med.) | NO.4 (Med.) | NO.4 (Med.) | NO.4 (Med.) | NO.8 (Lge) |
|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|------------|
| DIAMETER (mm) | 0.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.1 |
| COLOR | WHITE | WHITE | RED | BLUE | BLACK | GREEN | GOLD | BEIGE | WHITE |

SEAMLESS TUBE BANDANA/ NECK BUFF

These 100% polyester tubes are the perfect multi-use accessory to any arborists kit. Can be used as a neck/face buff, bandana or wristband.



COLORS BLACK/RED



LENGTHS 25 x 50cm



ROPE STORAGE BAG

The handy Marlow rope storage bag is able to accommodate up to 45m of climbing rope.





COLOR BLACK



RIGGING SLINGS

WHOOPIE EXTREME



| | | |
|---|--------------|---|
|  | COLOR | GREY |
|  | TERMINATIONS | FIXED EYE SPLICE ONE END, ADJUSTABLE SPLICE OTHER END |

Manufactured from Dyneema®, Whoopie Extreme is 5 times lighter than our standard Whoopie Sling yet 40% stronger. Lighter handling, increased safety factors and minimal elongation make this the ultimate tree rigging sling.

Very high-strength, low-stretch & very lightweight. Does not absorb water. Excellent abrasion resistance, and supplied with an adjustable factory splice.



SPECIFICATIONS

| | |
|-------------------|----------|
| APPLICATIONS | SLING |
| DIAMETER | 10mm |
| DIAMETER | 13/32" |
| LENGTHS | 1.1-3.6m |
| UNIT WEIGHT | 350g |
| MINIMUM BREAKLOAD | 6690kg |
| MINIMUM BREAKLOAD | 14700lbs |
| MATERIAL | DYNEEMA® |



MINI WHOOPIE EXTREME



| | | |
|--|--------------|---|
|  | COLOR | RED |
|  | TERMINATIONS | FIXED EYE SPLICE ONE END, ADJUSTABLE SPLICE OTHER END |

The Mini Whoopie is small enough to be carried as an emergency rescue sling or redirect as well as rigging applications.

Very high-strength & low-stretch, very lightweight. Does not absorb water. It has excellent abrasion-resistance, and is supplied with an adjustable factory splice.



SPECIFICATIONS

| | |
|-------------------|----------|
| APPLICATIONS | SLING |
| DIAMETER | 5mm |
| DIAMETER | 3/16" |
| LENGTHS | 0.5-1.8m |
| UNIT WEIGHT | 46.3g |
| MINIMUM BREAKLOAD | 1750kg |
| MINIMUM BREAKLOAD | 3860lbs |
| MATERIAL | DYNEEMA® |



WHOOPIE SLINGS



| | | |
|---|--------------|---|
|  | COLORS | LIME/BLUE/RED |
|  | TERMINATIONS | FIXED EYE SPLICE ONE END, ADJUSTABLE SPLICE OTHER END |

Whoopie Slings are adjustable in length so that one sling can do the job of many. With one fixed eye and one adjustable, Marlow Whoopie Slings are manufactured using a unique multi-braided construction for improved durability without the need for PU coating.

Unique multi-braided construction that is hardwearing, strong and adjustable, with high elongation for superior energy absorption. Supplied pre-spliced.

SPECIFICATIONS

| | |
|-------------------|-------------------------------|
| APPLICATIONS | SLING |
| DIAMETER | 18mm |
| DIAMETER | 11/16" |
| LENGTHS (m) | 0.9-1.83m, 0.9-2.4m, 0.9-3.6m |
| UNIT WEIGHT | 1079g, 1320g, 2050g |
| MINIMUM BREAKLOAD | 4740kg |
| MINIMUM BREAKLOAD | 10400lbs |
| MATERIAL | POLYESTER |

SCORPION RIGGING SLING



| | |
|---|---|
|  COLOR | GREY |
|  TERMINATIONS | LARGE EYE SPLICE ONE END, SMALL EYE SPLICE ONE END |

The Scorpion is a rigging sling which is a stronger, lighter option to an endless sling used for tree rigging applications. With a large splice on one end to choker around the branch or stem and a smaller splice at the other end to clip in a carabiner or connector directly to the rigging rope, it removes the chance of the connector rolling on the large loop of the endless sling and lessens the chances of it opening.

Very high-strength & low-stretch, very lightweight and does not absorb water. It has excellent abrasion-resistance.

SPECIFICATIONS



| APPLICATIONS | SLING |
|-------------------|----------------|
| DIAMETER | 10mm |
| DIAMETER | 13/32" |
| LENGTHS | 0.9m, 1.2m |
| UNIT WEIGHT | 115.1g, 129.7g |
| MINIMUM BREAKLOAD | 6690kg |
| MINIMUM BREAKLOAD | 14700lbs |
| MATERIAL | DYNEEMA® |

RAPTOR DEAD-EYE SLINGS



| | |
|---|--|
|  COLORS | 16mm (5/8") RED, 18mm (3/4") YELLOW |
|  TERMINATIONS | SPLICED 100mm SOFT EYE |

These traditional tree-rigging slings are made using our unique Raptor construction. Raptor Dead-Eye Slings are high-strength, low-stretch and a hardwearing polyester cover with a PU coating. Available in two sizes with pre-spliced 100mm eyes.

Made from high-tenacity polyester offering hardwearing, high-strength and low-stretch properties. Supplied pre-spliced.

SPECIFICATIONS

| APPLICATIONS | SLING |
|-------------------|----------------------------|
| DIAMETER | 16mm, 18mm |
| DIAMETER | 5/8", 3/4" |
| LENGTHS | 4m/ 5m |
| UNIT WEIGHT | 965g / 1393g |
| MINIMUM BREAKLOAD | 5990kg, 6550kg |
| MINIMUM BREAKLOAD | 13200lbs, 4500lbs |
| COVER MATERIAL | BRAIDED 24 PLAIT POLYESTER |
| CORE MATERIAL | 12 STRAND POLYESTER |
| COVER COATING | ARMOURCOAT |



LOWERING LINES

RAPTOR BULL ROPES

Braid-on-braid construction, easily spliced. ArmourCoated to reduce water absorption and for 30% improvement in abrasion-resistance. Raptor Bull Ropes are supplied with a spliced stainless steel thimble.

High-tenacity polyester, with a hardwearing, abrasion-resistant ArmourCoated cover. High-strength and low-stretch. Supplied pre-spliced.

SPECIFICATIONS

| | |
|-------------------|--------------------------------|
| APPLICATIONS | LOWERING LINE |
| DIAMETER | 12mm, 14mm, 16mm, 18mm |
| DIAMETER | 1/2", 9/16", 5/8", 3/4" |
| LENGTHS | 50m |
| UNIT WEIGHT | 5.6kg, 7.8kg, 9.7kg, 11.6kg |
| MINIMUM BREAKLOAD | 3940kg, 5010kg, 5990kg, 6550kg |
| COVER MATERIAL | BRAIDED 24 PLAIT POLYESTER |
| CORE MATERIAL | 12 STRAND POLYESTER |
| COVER COATING | ARMOURCOAT |



- COLORS** 12mm (1/2") BLUE, 14mm (9/16") GREEN, 16mm (5/8") RED, 18mm (3/4") YELLOW
- TERMINATIONS** SPLICED STAINLESS STEEL THIMBLE AT ONE END

RAPTOR

Raptor rigging line is the next generation of lowering lines from Marlow. Using soft and supple yet high-strength doublebraid polyester rope, Raptor rigging has Marlow's proprietary color coded ArmourCoat for improved abrasion-resistance and reduced water absorption.

High-tenacity polyester, with a hard wearing abrasion resistant ArmourCoated cover. High-strength and low-stretch. Supplied pre-spliced.

- COLORS** 12mm (1/2") BLUE, 14mm (9/16") GREEN, 16mm (5/8") RED, 18mm (3/4") YELLOW



SPECIFICATIONS

| | |
|--------------------|---------------------------------------|
| APPLICATIONS | LOWERING LINE |
| DIAMETER | 12mm, 14mm, 16mm, 18mm |
| DIAMETER | 1/2", 9/16", 5/8", 3/4" |
| LENGTHS | 100m/ 200m |
| WEIGHT (g/m) | 111g/m, 156g/m, 193g/m, 232g/m |
| WEIGHT (lbs/100ft) | 7.44, 10.4, 12.9, 15.5 |
| MINIMUM BREAKLOAD | 4380kg, 5570kg, 6650kg, 7280kg |
| MINIMUM BREAKLOAD | 9650lbs, 12300lbs, 14700lbs, 16000lbs |
| COVER MATERIAL | BRAIDED 24 PLAIT POLYESTER |
| CORE MATERIAL | 12 STRAND POLYESTER |

DOUBLEBRAID



The Doublebraid option is a lowering line while maintaining similar break loads to the Raptor.

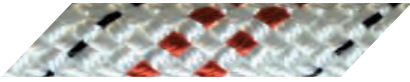
High-strength, soft and flexible. Very easily spliced.

SPECIFICATIONS

| | |
|--------------------|---------------------------------------|
| APPLICATIONS | LOWERING LINE |
| DIAMETER | 12mm, 14mm, 16mm, 18mm |
| DIAMETER | 1/2", 9/16", 5/8", 3/4" |
| LENGTHS | 100m/ 200m |
| WEIGHT (g/m) | 111g/m, 156g/m, 193g/m, 232g/m |
| WEIGHT (lbs/100ft) | 7.44, 10.4, 12.9, 15.5 |
| MINIMUM BREAKLOAD | 4380kg, 5570kg, 6650kg, 7280kg |
| MINIMUM BREAKLOAD | 9650lbs, 12300lbs, 14700lbs, 16000lbs |
| COVER MATERIAL | BRAIDED 24 PLAIT POLYESTER |
| CORE MATERIAL | 12 STRAND POLYESTER |

- COLORS** WHITE WITH RED FLECK, BLUE FLECK, NAVY FLECK, GREEN FLECK & BLACK FLECK

DRACO



Specially developed for the most demanding arborist rigging applications, Draco's proven 16 plait cover is paired with a braided high-tenacity core to give a tough but high-strength lowering line. The fully braided construction prevents twisting and allows for a supple rope without compromising on durability.

The polyester construction ensures performance, durability and economy from a single rope.

SPECIFICATIONS

| | |
|--------------------|------------------------------|
| APPLICATIONS | LOWERING LINE |
| DIAMETER | 12mm, 14mm, 16mm |
| DIAMETER | 1/2", 9/16", 5/8" |
| LENGTHS | 50m/ 200m |
| WEIGHT (g/m) | 100.6g/m, 130.4g/m, 197.0g/m |
| WEIGHT (lbs/100ft) | 6.75, 8.74, 13.2 |
| MINIMUM BREAKLOAD | 3590kg, 5036kg, 7550kg |
| MINIMUM BREAKLOAD | 7810lbs, 11100lbs, 16600lbs |
| COVER MATERIAL | 16 PLAIT POLYESTER |
| CORE MATERIAL | 12 STRAND POLYESTER |



COLORS

WHITE WITH 12mm (1/2") BLUE FLECK, 14mm (9/16") GREEN FLECK, 16mm (5/8") RED FLECK



HAVE YOU
SEEN OUR NEW
SUSTAINABLE
PACKAGING?





Marlow®

FILM AND THEATRE

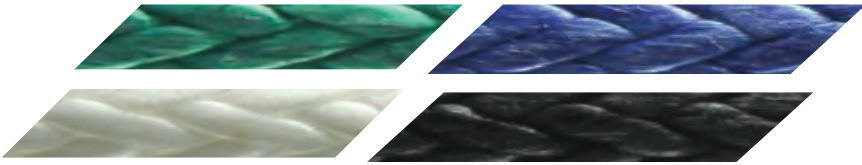
Our Film & Theatre range has a worldwide reputation and our products have been used across a range of high profile events, film and theatre productions.

Marlow's Event & Film Series includes Hi-tech Technora®, Vectran® and Dyneema® ropes for use with 2D and 3D camera rigs, Dolly Systems and Catenary Systems as well standard polyester ropes for more traditional theatre rigging. All ropes are solid black but can also be supplied in custom colours to suit.

“

LAST SPRING I ORDERED SEVERAL VARIETIES OF DYNEEMA® ROPE FROM YOU FOR NOFITSTATE'S LATEST SHOW CREATION. THE ROPES HAVE PERFORMED EXCELLENTLY AND WE HAVE BEEN VERY HAPPY WITH THE RESULTS.

NOFITSTATE CIRCUS



D12

For larger winches and high-load applications where diameter versus break load is critical. Marlow also manufactures D12 in SK99. Which offers 15% greater strength.

D12 99 offers exceptional strength and low stretch characteristics and maintains the same flex fatigue performance around sheaves and pulleys as regular D12. Perfect for camera rigs, catenary systems, dolly systems and winches

| | | |
|--|--------------|--------------------------------|
|  | COLOURS | BLACK/ BLUE/ GREEN/ WHITE/ RED |
|  | TERMINATIONS | SPLICED EYE |

SPECIFICATIONS

APPLICATIONS

DIAMETER (mm)

DIAMETER (inches)

LENGTHS (m)

WEIGHT (g/m)

WEIGHT (lbs/100ft)

MINIMUM BREAKLOAD (kN)

MINIMUM BREAKLOAD (lbs)

MATERIAL

COATING

EVENT RIGGING

2.5mm, 3mm, 3.5mm, 4mm, 5mm, 6mm, 6.5mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 15mm, 16mm,

7/64, 1/8", 9/64", 5/32", 3/16", 7/32", 1/4", 1/4", 5/16", 3/8", 13/32", 7/16", 15/32", 1/2", 9/16", 5/8"

UPON REQUEST

3.7, 5.3, 7.4, 9.8, 12.8, 17.7, 22.0, 28.0, 33.0, 37.6, 48.3, 58.2, 65.0, 80.0, 98.0, 118.0

0.25, 0.36, 0.50, 0.66, 0.86, 1.19, 1.48, 1.88, 2.21, 2.52, 3.24, 3.90, 4.36, 5.37, 6.57, 7.91

4.8, 8.4, 10.5, 18.1, 20.8, 30.8, 39.1, 48.4, 55.9, 61.3, 83.7, 105, 114.0, 140, 163.0, 186

1080, 1880, 2360, 4080, 4670, 6920, 8810, 10900, 12600, 13800, 18800, 23500, 25500, 31500, 36500, 41900

HMPE / DYNEEMA®

ARMOURCOAT



D12 MAX (SK78)

For high-load, diameter or safety critical applications, D12 MAX is the only choice. Stiffer than standard D12, D12 MAX is taken to the limit of its physical properties during the manufacture process resulting in a rope unrivalled in strength and low elongation.

D12 Max is manufactured using Dyneema® SK78 for guaranteed quality, strength and minimal creep.

| | | |
|--|---------|--------------------------------|
|  | COLOURS | BLACK/ BLUE/ GREEN/ WHITE/ RED |
|--|---------|--------------------------------|

SPECIFICATIONS

APPLICATIONS

DIAMETER (mm)

DIAMETER (inches)

LENGTHS (m)

WEIGHT (g/m)

WEIGHT (lbs/100ft)

MINIMUM BREAKLOAD (kN)

MINIMUM BREAKLOAD (lbs)

MATERIAL

EVENT RIGGING

2.5mm, 3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm, 15mm, 17mm,

3/32", 1/8", 5/32", 3/16", 1/4", 9/32", 5/16", 11/32", 13/32", 7/16", 15/32", 1/2", 19/32", 21/32"

UPON REQUEST

4.5, 6.8, 11.1, 15.6, 22.3, 35.6, 44.5, 54.0, 63.0, 75.5, 90.0, 107, 134, 184w

0.30, 0.46, 0.74, 1.05, 1.50, 2.39, 2.98, 3.62, 4.22, 5.06, 6.04, 7.18, 8.99, 12.3

9.2, 13.7, 22.6, 29.2, 41.7, 68.5, 85.6, 98.1, 115, 138, 164, 193, 241, 300

2060, 3090, 5080, 6560, 9380, 15400, 19200, 22100, 25800, 31000, 36900, 43400, 54200, 67400

HMPE / DYNEEMA®



D12 PLUS

Marlow manufactures a range of 12 strand HMPE ropes, where higher break loads for a given diameter are required. D12 Plus is also available in Dyneema® SK99.

Size for size, D12 Plus displays the same strength as steel wire yet is a fraction of the weight and also floats.

| | | |
|--|--------------|--------------------------------|
|  | COLOURS | BLACK/ BLUE/ GREEN/ WHITE/ RED |
|  | TERMINATIONS | SPLICED EYE |

SPECIFICATIONS

APPLICATIONS

DIAMETER (mm)

DIAMETER (inches)

LENGTHS (m)

WEIGHT (g/m)

WEIGHT (lbs/100ft)

MINIMUM BREAKLOAD (kN)

MINIMUM BREAKLOAD (lbs)

MATERIAL

COATING

EVENT RIGGING

18mm, 20mm, 22mm, 24mm, 28mm, 32mm, 36mm, 40mm, 44mm

2 1/4", 2 1/2", 2 3/4", 3", 3 1/2", 4", 4 1/2", 5", 5 1/2"

UPON REQUEST

195, 239, 289, 318, 434, 579, 694, 868, 1040

13.1, 16.0, 19.4, 21.3, 29.1, 38.8, 46.6, 58.2, 69.8

308, 370, 436, 478, 629, 830, 959, 1,180, 1,360

69,200, 83,200, 97,900, 107,000, 141,000, 187,000, 216,000, 265,000, 306,000

HMPE



ARMOURCOAT



T12

Marlow T12 is manufactured from Black Technora® and offers a high-strength, low-stretch rope which has been a staple of the film and event rigging industry for many years.

Flexible and easily spliced, extra abrasion resistance thanks to the ArmourCoat coating. Care must be taken when specifying T12 in systems as it requires a large D:d ratio of 20:1 or more in order to maintain optimum strength. Perfect for camera rigs, catenary systems, dolly systems and winches

-  COLOURS BLACK/ NATURAL/ GREEN
-  TERMINATIONS SPLICED EYE



V12

V12 offers an alternative to T12 in that it maintains the same high strength and low stretch as well as heat resistance, but also exhibits virtually zero creep and performs better on sheaves and pulleys.

Whilst not naturally black, V12 can be coated with Black ArmourCoat. Perfect for camera rigs, catenary systems, dolly systems and winches



-  COLOURS BLACK/ NATURAL
-  TERMINATIONS SPLICED EYE



STATIC LSK (FOR ROPE ACCESS)

Marlow Static LSK is a low stretch kernmantle rope designed for rope access, work positioning, 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 also comes in a range of flecked or solid colours and have a visible year of manufacture marker as standard.

-  COLOURS BLACK/ RED/ YELLOW/ GREEN / BLUE / WHITE
-  TERMINATIONS KNOT, SPLICED EYE (OPTIONAL)

SPECIFICATIONS

| | |
|-------------------------|--|
| APPLICATIONS | EVENT RIGGING |
| DIAMETER (mm) | 3mm, 4mm, 5mm, 6mm, 7mm, 8mm, 9mm, 10mm, 11mm, 12mm, 13mm |
| DIAMETER (inches) | 1/8", 5/32", 3/16", 7/32", 1/4", 5/16", 3/8", 13/32", 7/16", 15/32", 1/2 |
| LENGTHS (m) | UPON REQUEST |
| WEIGHT (g/m) | 6.8, 13.7, 18.2, 25.0, 29.6, 38.8, 50.1, 61.6, 73.0, 87.0, 119 |
| WEIGHT (lbs/100ft) | 0.46, 0.92, 1.22, 1.68, 1.99, 2.60, 3.36, 4.13, 4.90, 5.83, 7.98 |
| MINIMUM BREAKLOAD (kN) | 7.7, 15.3, 20.4, 28.1, 33.2, 43.4, 56.2, 69.0, 81.8, 97.1, 133 |
| MINIMUM BREAKLOAD (lbs) | 1720, 3450, 4600, 6320, 7470, 9760, 12600, 15500, 18400, 21800, 29900 |
| MATERIAL | 12 STRAND TECHNORA® (HEAT RESISTANT PARA-ARAMID) |
| COATING | ARMOURCOAT |

SPECIFICATIONS

| | |
|-------------------------|--|
| APPLICATIONS | EVENT RIGGING |
| DIAMETER (mm) | 2.5mm, 3mm, 4mm, 5mm, 6mm, 7mm, 9mm, 10mm, 11mm, 13mm, 15mm, 16mm, 18mm |
| DIAMETER (inches) | 3/32", 1/8", 5/32", 3/16", 7/32", 1/4", 3/8", 13/32", 7/16", 1/2", 9/16", 5/8", 3/4" |
| LENGTHS (m) | UPON REQUEST |
| WEIGHT (g/m) | 4.5, 6.7, 13.4, 17.9, 22.4, 33.6, 53.8, 67.2, 89.6, 107.5, 141.1, 170.2, 188.2 |
| WEIGHT (lbs/100ft) | 0.30, 0.45, 0.90, 1.20, 1.50, 2.25, 3.61, 4.51, 6.01, 7.21, 9.46, 11.42, 12.62 |
| MINIMUM BREAKLOAD (kN) | 5.5, 8.8, 14.8, 21.2, 29.6, 50.8, 76.6, 96.9, 106, 130, 163, 200, 222 |
| MINIMUM BREAKLOAD (lbs) | 1240, 1970, 3330, 4770, 6650, 11400, 17200, 21800, 23700, 29200, 36500, 45000, 49800 |
| MATERIAL | 12 STRAND BRAIDED VECTRAN® |
| COATING | ARMOURCOAT |

SPECIFICATIONS

| | |
|------------------------------------|----------------------------|
| APPLICATIONS | EVENT RIGGING |
| DIAMETER (mm) | 9mm, 10.5mm, 11mm, 12mm |
| DIAMETER (inches) | 3/8", 13/32", 7/16", 1/2" |
| LENGTHS (m) | UPON REQUEST |
| WEIGHT (kg/100m) | 5.30, 6.72, 7.38, 9.03 |
| AVERAGE BREAKLOAD (kN) | 25.4, 33.4, 35.3, 42.8 |
| AVERAGE BREAKLOAD WITH FIG. 8 (kN) | 13.7, 19.5, 21.1, 24.3 |
| MATERIAL | 16 PLAIT POLYAMIDE (NYLON) |
| STANDARD | EN1891 |



MATTBRAID

Soft handling and good flexibility make this a great rope for any manual task undertaken by engineers and technicians.

Matt black in colour, easily spliced and great handling make this a firm favourite in theatres.

COLOURS BLACK

TERMINATIONS SPLICED EYE (OPTIONAL)



3 STRAND POLYESTER

The classic 3 strand line. Marlow's 3 Strand Polyester is manufactured using the highest quality materials to produce a rope of the highest quality with the perfect flexibility and firmness.

Unlike Nylon, Polyester won't degrade in UV and remains supple and strong even when wet. Available in white or solid black

COLOURS BLACK / WHITE

TERMINATIONS SPLICED EYE (OPTIONAL)



8 PLAIT STANDARD

Polyester cord in 8 plait construction for flexible, easy handling and good roundness.

COLOURS BLACK



8 PLAIT PRE-STRETCHED

Tried and tested cord for multiple uses. The knobbly 8 plait construction provides good grip in the hands, in cleats and is a great rope where grip, abrasion resistance and low stretch are needed.

COLOURS BLACK

SPECIFICATIONS

APPLICATIONS

DIAMETER (mm)

DIAMETER (inches)

LENGTHS (m)

WEIGHT (g/m)

WEIGHT (lbs/100ft)

MINIMUM BREAKLOAD (kN)

MINIMUM BREAKLOAD (lbs)

COVER MATERIAL

CORE MATERIAL

EVENT RIGGING

6mm, 8mm, 10mm, 12mm, 14mm, 16mm

7/32", 5/16", 3/8", 1/2", 9/16", 5/8"

100m, 200m

28, 50, 70, 99, 126, 178

1.88, 3.35, 4.69, 6.64, 8.45, 11.9

5.30, 9.89, 17.5, 24.8, 29.1, 47.9

1190, 2220, 3930, 5580, 6550, 10800

POLYESTER

POLYESTER

SPECIFICATIONS

APPLICATIONS

DIAMETER (mm)

DIAMETER (inches)

LENGTHS (m)

WEIGHT (g/m)

WEIGHT (lbs/100ft)

MINIMUM BREAKLOAD (kN)

MINIMUM BREAKLOAD (lbs)

MATERIAL

EVENT RIGGING

4mm, 5mm, 6mm, 8mm, 10mm, 12mm, 14mm, 16mm, 18mm, 20mm

5/32", 3/16", 7/32", 5/16", 13/32", 15/32", 9/16", 5/8", 23/32", 25/32"

100m, 200m

12.1, 20, 29.1, 51, 80.5, 116, 157, 205, 259.1, 318.19

0.81, 1.34, 1.95, 3.42, 3.23, 4.45, 5.52, 7.15, 9.92, 21.34

2.80, 4.25, 6.00, 10.60, 16.0, 22.4, 30.0, 40.0, 50.0, 60.0

629.46, 955.44, 1348.85, 2382.97, 3596.94, 5035.71, 6744.26, 8992.34, 11240.43, 13488.51

POLYESTER

SPECIFICATIONS

APPLICATIONS

DIAMETER (mm)

DIAMETER (inches)

LENGTHS (m)

WEIGHT (g/m)

WEIGHT (lbs/100ft)

MINIMUM BREAKLOAD (kN)

MINIMUM BREAKLOAD (lbs)

MATERIAL

EVENT RIGGING

1mm, 1.5mm, 2mm, 3mm, 4mm, 5mm

5/32", 3/16", 7/32", 1/4", 5/16", 3/16"

100m, 200m

1, 2.5, 3.3, 7, 11.6, 21

0.07, 0.17, 0.22, 0.47, 0.78, 1.41

0.34, 0.70, 1.01, 1.63, 2.8, 4.61

77, 157, 227, 366, 628, 1036

POLYESTER

SPECIFICATIONS

APPLICATIONS

DIAMETER (mm)

DIAMETER (inches)

LENGTHS (m)

WEIGHT (g/m)

WEIGHT (lbs/100ft)

MINIMUM BREAKLOAD (kN)

MINIMUM BREAKLOAD (lbs)

MATERIAL

EVENT RIGGING

4mm, 5mm, 6mm, 7mm, 8mm

5/32", 3/16", 7/32", 1/4", 5/16"

100m, 200m

13, 21, 29, 43, 55

0.92, 1.22, 1.68, 1.99, 2.60

3.24, 5.20, 6.87, 7.65, 12.1

728, 1170, 1540, 1720, 2710

POLYESTER

TECHNICAL INFORMATION - PHYSICAL PROPERTIES- CARE IN USE

CHEMICAL RESISTANCE

This table shows the residual strengths of synthetic fibres after chemical exposure under specific conditions.

| CHEMICAL | CONC (W/W%) | TEMP. (°C) | TEMP (°F) | TIME (HOURS) | NYLON | POLYESTER | POLYPROPYLENE | ARAMID | HMPE |
|-------------------------|-------------|------------|-----------|--------------|-------|-----------|---------------|--------|------|
| ACIDS | | | | | | | | | |
| HYDROCHLORIC | 34 | 20 | 68 | 100 | 0 | 90 | 100 | 95 | 100 |
| NITRIC | 66 | 20 | 68 | 100 | 0 | 70 | 100 | 95 | 95 |
| SULPHURIC | 96 | 20 | 68 | 100 | 0 | 100 | 100 | 40 | 90 |
| FORMIC | 90 | 20 | 68 | 100 | 0 | 95 | 100 | 90 | 100 |
| ACETIC | 100 | 20 | 68 | 10 | 85 | 95 | 100 | 100 | 100 |
| ALKALIS | | | | | | | | | |
| CAUSTIC SODA | 40 | 20 | 68 | 100 | 50 | 0 | 90 | 90 | 100 |
| CAUSTIC SODA | 20 | 70 | 158 | 150 | 100 | 0 | 100 | 85 | 90 |
| CAUSTIC POTASH | 40 | 20 | 68 | 100 | 90 | 0 | 90 | 90 | 100 |
| SOLVENTS | | | | | | | | | |
| TRICHLOROETHYLENE | 100 | 30 | 86 | 150 | 100 | 95 | 80 | 100 | 100 |
| CARBON TETRACHLORIDE | 100 | 20 | 68 | 150 | 100 | 100 | 100 | 98 | 100 |
| BENZENE | 100 | 70 | 158 | 150 | 100 | 100 | 100 | 98 | 95 |
| METACRESOL | 100 | 100 | 212 | 4 | 0 | 0 | 100 | 80 | 100 |
| OXIDISING AGENTS | | | | | | | | | |
| HYDROGEN PEROXIDE | 10 | 20 | 68 | 100 | 0 | 100 | 90 | 95 | 100 |

ROPE STRENGTHS AND WEIGHTS

Rope strengths are tested according to Marlow's QA25 and 26 quality procedures. Generally these procedures are in line with BS EN ISO 2307, however, a number of other internationally recognised test standards are used including EN 1891 and EN 564. Rope mass is determined by weighing a sample of rope whose length has been measured at a reference load. For most ropes this load is calculated as:

$$\text{REFERENCE LOAD (kg)} = D^2/8$$

Where D is the rope nominal diameter (mm)

Most rope strengths in this catalogue are given in kilograms (kg). However, the correct measure of force or breaking strength is kilonewtons (kN). Conversion factors from one to the other are:

$$\begin{aligned} \text{kg to kN} & \times 0.00981 \\ \text{kN to kg} & \times 101.972 \end{aligned}$$

WORKING LOADS

Marlow Ropes specify a minimum breaking load. It is the responsibility of the user to determine an appropriate factor of safety and safe working load. This factor of safety must be determined after considering all the risks, the strength reducing factors, and the expected life of the rope.

CARE IN USE:

STORAGE: Ropes should be stored in a suitable clean, dry place out of direct sunlight and away from extreme temperature. Do not store ropes on dirty floors or drag over rough ground – dirt and grit can work between the fibres and cause abrasion damage. Keep ropes away from chemicals and in cases of long term storage, hose down with fresh water to reduce dirt and salt that can affect the life and efficiency.

Braided ropes can have excessive twist imparted into them by incorrect handling. Ideally these ropes should be "hanked" in a figure of 8 fashion this avoids putting twist in and will ensure free running when deployed. If supplied on a reel, this must be allowed to rotate freely on a central pin so that the rope may be drawn off from the top layer. Never take the rope from a reel lying on its side unless placed onto a turntable.

SHEAVES, PULLEYS AND ROLLERS: When any rope is used around a sheave there will be a reduction in its strength and life. For most non-specialised applications a sheave diameter 8-10 times the rope diameter will suffice, however certain materials such as Aramids may require a sheave size of up to 20 times diameter.

The profile of the groove in a sheave should support the entire rope. Normally a semicircle of 10% greater diameter than that of the rope is appropriate. 'V' groove sheaves should be avoided since they compress the rope and have points of local friction reducing the life of the rope. Sheaves should be maintained so that they rotate freely in use.

TERMINATIONS:

SPLICES: Most Marlow ropes can be spliced, this is normally the preferred method of termination. A good splice using the recommended method should not reduce the strength of a rope by more than 10%.

KNOTS: A knot will reduce the strength of the rope, sometimes very significantly. This loss is caused by the tight bends and compression found in any knot. The amount a rope will be weakened will depend on the knot, type of rope and the material from which it is made but can be up to 60%.

EYE SIZES: Wherever possible the angle formed at the throat of a splice when it is loaded should be 30 degrees or less. This means that the length of the eye when flat must be at least 2.7 times the diameter of the object over which the eye is to be used and the distance from the bearing point to the throat when in use should be at least 2.4 times the diameter. Some materials like Aramids and HMPEs (Dyneema®) will require a larger eye with an angle at the throat of 15 degrees or less.

INSPECTION & RETIREMENT:

INSPECTION: It is important that a rope is regularly inspected to ensure that it is undamaged and is still fit for service. The entire length of rope should be examined. The following are some of the points that should be checked. The degree to which any of the following may be allowed before the rope is retired will be dependant on the assumptions made when the rope and safety factors were determined.

EXTERNAL ABRASION: When a multifilament rope is subjected to abrasion the outer filaments will quickly become broken and a furry finish will develop. This furry layer will protect the yarns underneath preventing further abrasion. If this condition does not stabilise and continues to develop then there may be excessive abrasion that could lead to significant strength loss.

INTERNAL ABRASION: The rope should be opened up so that the condition of the internal yarns can be assessed. If they show signs of abrasion then there could be some exposure to abrasive particles or there may be inter yarn abrasion.

GLAZING: If a rope has been subjected to excessive heat then there may be glazed or glossy areas of rope. The glazing is caused when the yarns melt, if this has happened then the nearby yarns will also have been exposed to elevated temperatures and will have been affected. This type of damage is often seen if ropes slip on winch barrels or capstans.

DISCOLOURATION: This could indicate the presence of dirt that may cause internal abrasion or could be an indication of chemical damage. If chemical damage is suspected then the amount that the rope has been weakened is very difficult to assess and the rope should be retired.

INCONSISTENCIES: If any section of the rope is found to contain lumps, flat areas or thin bits then this could indicate that the rope has been damaged internally. This type of damage is often caused by overloading or shock loads.

No rope will last forever and it is important to ensure that if there are any risks if a rope fails then it should be retired after an appropriate period.

IMAGE CREDITS:

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