

Marlow[®]

FILM AND EVENT RIGGING



PAST
PRESENT
FUTURE

ISSUE 2



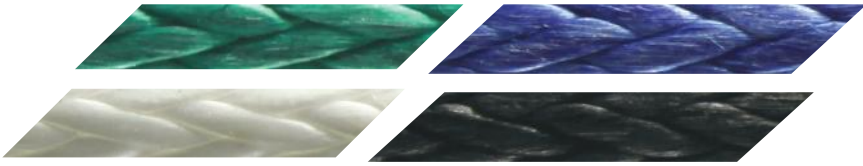
Marlow[®]

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.

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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 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

SPECIFICATIONS

Technora®

APPLICATIONS

DIAMETER (mm)

DIAMETER (inches)

LENGTHS (m)

WEIGHT (g/m)

WEIGHT (lbs/100ft)

MINIMUM BREAKLOAD (kN)

MINIMUM BREAKLOAD (lbs)

MATERIAL

COATING

EVENT RIGGING

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

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

UPON REQUEST

6.8, 13.7, 18.2, 25.0, 29.6, 38.8, 50.1, 61.6,
73.0, 87.0, 119

0.46, 0.92, 1.22, 1.68, 1.99, 2.60, 3.36, 4.13,
4.90, 5.83, 7.98

7.7, 15.3, 20.4, 28.1, 33.2, 43.4, 56.2, 69.0
81.8, 97.1, 133

1720, 3450, 4600, 6320, 7470, 9760, 12600, 15500
18400, 21800, 29900

12 STRAND TECHNORA® (HEAT RESISTANT PARA-ARAMID)

ARMOURCOAT

SPECIFICATIONS

Vectran®

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, 4mm, 5mm, 6mm, 7mm, 9mm, 10mm, 11mm,
13mm, 15mm, 16mm, 18mm

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"

UPON REQUEST

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

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

5.5, 8.8, 14.8, 21.2, 29.6, 50.8, 76.6, 96.9, 106,
130, 163, 200, 222

1240, 1970, 3330, 4770, 6650, 11400, 17200, 21800, 23700,
29200, 36500, 45000, 49800,

12 STRAND BRAIDED VECTRAN®

ARMOURCOAT

SPECIFICATIONS

APPLICATIONS

DIAMETER (mm)

DIAMETER (inches)

LENGTHS (m)

WEIGHT (kg/100m)

AVERAGE BREAKLOAD (kN)

AVERAGE BREAKLOAD WITH FIG.
8 (kN)

MATERIAL

STANDARD

ROPE ACCESS

9mm, 10.5mm, 11mm, 12mm

3/8", 13/32", 7/16", 1/2"

UPON REQUEST

5.30, 6.72, 7.38, 9.03

25.4, 33.4, 35.3, 42.8

13.7, 19.5, 21.1, 24.3

16 PLAIT POLYAMIDE (NYLON)

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	EVENT RIGGING
DIAMETER (mm)	6mm, 8mm, 10mm, 12mm, 14mm, 16mm
DIAMETER (inches)	7/32", 5/16", 3/8", 1/2", 9/16", 5/8"
LENGTHS (m)	100m, 200m
WEIGHT (g/m)	28, 50, 70, 99, 126, 178
WEIGHT (lbs/100ft)	1.88, 3.35, 4.69, 6.64, 8.45, 11.9
MINIMUM BREAKLOAD (kN)	5.30, 9.89, 17.5, 24.8, 29.1, 47.9
MINIMUM BREAKLOAD (lbs)	1190, 2220, 3930, 5580, 6550, 10800
COVER MATERIAL	POLYESTER
CORE MATERIAL	POLYESTER

SPECIFICATIONS

APPLICATIONS	EVENT RIGGING
DIAMETER (mm)	4mm, 5mm, 6mm, 8mm, 10mm, 12mm, 14mm, 16mm, 18mm, 20mm
DIAMETER (inches)	5/32", 3/16", 7/32", 5/16", 13/32", 15/32", 9/16", 5/8", 23/32", 25/32"
LENGTHS (m)	100m, 200m
WEIGHT (g/m)	12.1, 20, 29.1, 51, 80.5, 116, 157, 205, 259.1, 318.19
WEIGHT (lbs/100ft)	0.81, 1.34, 1.95, 3.42, 3.23, 4.45, 5.52, 7.15, 9.92, 21.34
MINIMUM BREAKLOAD (kN)	2.80, 4.25, 6.00, 10.60, 16.0, 22.4, 30.0, 40.0, 50.0, 60.0
MINIMUM BREAKLOAD (lbs)	629.46, 955.44, 1348.85, 2382.97, 3596.94, 5035.71, 6744.26, 8992.34, 11240.43, 13488.51
MATERIAL	POLYESTER

SPECIFICATIONS

APPLICATIONS	EVENT RIGGING
DIAMETER (mm)	1mm, 1.5mm, 2mm, 3mm, 4mm, 5mm
DIAMETER (inches)	5/32", 3/16", 7/32", 1/4", 5/16", 3/16"
LENGTHS (m)	100m, 200m
WEIGHT (g/m)	1, 2.5, 3.3, 7, 11.6, 21
WEIGHT (lbs/100ft)	0.07, 0.17, 0.22, 0.47, 0.78, 1.41
MINIMUM BREAKLOAD (kN)	0.34, 0.70, 1.01, 1.63, 2.8, 4.61
MINIMUM BREAKLOAD (lbs)	77, 157, 227, 366, 628, 1036
MATERIAL	POLYESTER

SPECIFICATIONS

APPLICATIONS	EVENT RIGGING
DIAMETER (mm)	4mm, 5mm, 6mm, 7mm, 8mm
DIAMETER (inches)	5/32", 3/16", 7/32", 1/4", 5/16"
LENGTHS (m)	100m, 200m
WEIGHT (g/m)	13, 21, 29, 43, 55
WEIGHT (lbs/100ft)	0.92, 1.22, 1.68, 1.99, 2.60
MINIMUM BREAKLOAD (kN)	3.24, 5.20, 6.87, 7.65, 12.1
MINIMUM BREAKLOAD (lbs)	728, 1170, 1540, 1720, 2710
MATERIAL	POLYESTER

PHOTO CREDITS:

ADILSON SANTOS (FRONT COVER)

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DEALER STAMP

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