



# CHALLENGE COURSE ROPES

# KM III

MADE IN 

KM III is an exceptional static rope for rappelling, caving, rescue, top roping, fixed rope applications, hauling, and life safety applications. The unique polyester sheath differentiates KM III from other static ropes. The polyester sheath is balanced with a nylon core to limit rotation, bouncing, and stretch. Thirty-two strands provide the correct sheath for the unique demands of static rope and the optimum sheath/core ratio. This allows for an incredibly smooth sheath, higher tensile strengths, and superior handling characteristics.



## Features

- ✓ 32-Strand sheath for optimum sheath / core ratio
- ✓ Polyester over nylon with a balanced torque free construction
- ✓ Excellent handling and knot holding characteristics
- ✓ High abrasion resistance
- ✓ Excellent UV protection

## Specifications

**Core:** Nylon  
**Cover:** Polyester  
**Standard:** EN 1891 B (8.0mm, 9.5mm), EN 1891 A (9.5mm,10mm, 10.5mm, 11mm, 13mm), NFPA 1983 (8.0mm, 9.5mm, 10mm, 10.5mm,11.0mm, 13.0mm, 14.5mm)

**Braid: 32**




## CE test results per EN 1891

Ø	Weight		Shrinkage	Elongation 50-150 kg	Min. breaking strength				Cover	
	mm	inch			g/m	lbs/100'	Free length			Sewn
			%	%	daN	lbf	daN	lbf	%	
8.0	5/16	59.0	4.00	< 5.0	3.0	2,275	5,120	1,895	4,260	52.0
9.5	3/8	65.0	4.40	< 5.0	1.8	2,790	6,275	1,895	4,260	47.0
10.0	N/A	65.0	4.40	< 5.0	1.7	2,790	6,275	N/A	N/A	52.0
10.5	N/A	84.0	5.65	< 5.0	1.6	3,335	7,500	N/A	N/A	48.0
11.0	7/16	91.0	6.12	< 5.0	1.8	3,765	8,465	3,085	6,935	45.0
13.0	1/2	117.0	7.90	< 5.0	1.8	5,015	11,275	3,680	8,265	47.0
14.5	5/8	152.0	10.20	< 5.0	1.5	5,815	13,075	3,925	8,830	47.0

## NFPA test results

Ø	Elongation			Approved class	
	mm	inch	at 1.35 kN (%)		at 2.7 kN (%)
8.0	5/16	4.30	7.60	11.30	Escape rope
9.5	3/8	3.50	6.20	9.20	Technical use
10.0	N/A	1.80	4.20	6.70	Technical use
10.5	N/A	3.90	7.00	9.70	Technical use
11.0	7/16	2.40	4.20	6.30	Technical use
13.0	1/2	2.80	4.50	7.00	General use
14.5	5/8	2.50	3.40	5.20	General use

# KM III Max

MADE IN 

KM III Max has a well balanced, low rotation, unique twill design. It is a perfect static rope for work placement and smooth descents. Our KM III Max features our TPT construction that results in a smoother cover reducing drag and creating a finer control on descents. The smooth, low profile sheath allows for better braking, faster ascending, and exceptional abrasion resistance. Originally designed for work placement applications, KM III Max is an excellent choice for heavy exposure fixed lines, big wall hauling, caving, and a variety of rescue applications.



## Features

- ✓ TPT construction
- ✓ Exceptional abrasion resistance

## Specifications

**Core:** Nylon  
**Cover:** Polyester  
**Standard:** EN 1891 B (10mm)  
 EN 1891 A (11mm, 13mm)  
 NFPA 1983 (13mm)

**Braid:** 32



## CE test results per EN 1891

Ø	Weight		Shrinkage	Elongation 50-150 kg	Min. breaking strength		Cover			
	Free length	Sewn								
mm	inch	g/m	lbs/100'	%	%	daN	lbf	daN	lbf	%
9.5	3/8	65.0	4.40	< 5.0	1.8	2,790	6,275	1,895	4,260	47.0
11	7/16	91.0	6.12	< 5.0	1.8	3,765	8,465	3,085	6,935	45.0
13	1/2	117.0	7.90	< 5.0	1.8	5,015	11,275	3,680	3,680	47.0

## NFPA test results

Ø	Elongation			Approved class	
	at 1.35 kN (%)	at 2.7 kN (%)	at 4.4 kN (%)		
mm	inch				
9.5	3/8	3.50	6.20	9.20	Technical use
11	7/16	2.40	4.20	6.30	Technical use
13	1/2	2.80	4.50	7.00	General use

# Tech Cord

MADE IN 

Tech Cord is extremely strong and extremely abrasion resistant. The polyester cover surrounds a parallel fiber core of 100% Technora®, resulting in a cord that gets extremely high tensile strength. The reported tensile strength of Tech Cord, as with any rope, can be significantly reduced when used with a knot. The most recommended knot for this cord is a double fishermans.



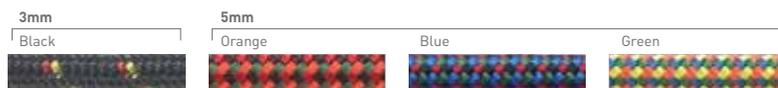
## Features

- ✓ Exceptionally strong
- ✓ Abrasion resistant
- ✓ Perfect for cordelette

## Specifications

**Core:** Technora®  
**Cover:** Polyester

**Braid:** 24



Ø	Weight		Min. breaking strength		
	Free length				
mm	inch	g/m	lbs/100'	daN	lbf
3	1/8	11.3	0.76	1,335	3,000
5	3/16	23.4	1.57	2,090	4,700

# New England Multiline

MADE IN 

New England Multiline has the same 3-strand composite construction as Multiline II, constructed by twisting three strands of a blend of spun and filament polyester around cores of fibrillated polyolefin. In addition, New England Multiline uses block creel fibers making it very grippy and therefore also CI-1805 compliant. Having met the requirements for CI-1805 compliance it is also fully certified as a Life Safety Rope per the Association for Challenge Course Technology (ACCT) standards.



All diameters

White/Yellow



## Features

- ✓ Block creel fibers for enhanced grip
- ✓ Polyolefin cores for improved abrasion resistance and handling
- ✓ CI-1805 compliant Life Safety 3-Strand Rope
- ✓ Fully certified as Life Safety Rope per ACCT (Association for Challenge Course Technology) standards

## Specifications

**Material:** Polyolefin  
Polyester

**Standard:** CI-1805  
ACCT

**Braid:** 3



Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
8	5/16	39.6	2.70	825	1,860
10	3/8	62.5	4.20	1,290	2,900
11	7/16	77.4	5.20	1,775	4,000
12	1/2	99.7	6.70	2,265	5,100
16	5/8	154.7	10.40	3,780	8,500
19	3/4	215.7	14.50	4,490	10,100
22	7/8	266.3	17.90	5,780	13,000
25	1	313.9	21.10	6,895	15,500
28	1 1/8	447.8	30.10	9,340	21,000

# Multiline II

MADE IN 

Multiline II is a composite rope, constructed by twisting three strands of a blend of spun and filament polyester around cores of fibrillated polyolefin. The polyolefin keeps the strands firm and round without adding weight, which improves abrasion resistance and handling. The spun polyester gives Multiline II its characteristic fuzzy feel and makes it easier to grip, even when wet. Multiline II provides the greatest durability, highest strength, lightest weight, and most consistent supple feel over time of any commercially available composite rope. Multiline II is easily identified by its familiar two orange markers.



All diameters

White/Orange



## Features

- ✓ Improved grip and knot holding even when wet
- ✓ Fibrillated polyolefin cores for firm and round hand
- ✓ Consistently supple feel over the service life of the rope
- ✓ Great for natural crotch rigging

## Specifications

**Material:** Polyolefin  
Polyester

**Braid:** 3



Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
8	5/16	39.6	2.66	825	1,860
10	3/8	62.5	4.20	1,290	2,900
11	7/16	77.4	5.20	1,775	4,000
12	1/2	99.7	6.70	2,265	5,100
16	5/8	154.7	10.40	3,780	8,500
19	3/4	215.7	14.50	4,490	10,100
22	7/8	266.3	17.90	5,780	13,000
25	1	313.9	21.10	6,895	15,500
28	1 1/8	447.8	30.10	9,340	21,000

# Prusik Cord

MADE IN 

Our Prusik Cord strikes the perfect balance between firm and supple. We engineered Prusik Cord so that the rope has enough grip on the climbing rope but not be so mushy that the knot locks up. This results in a smooth, controlled movement over the climbing rope and makes untying the Prusik knot easier to manage. Prusik Cord is available in 5mm to 9mm diameters, each diameter available in two reverse light and dark patterns.



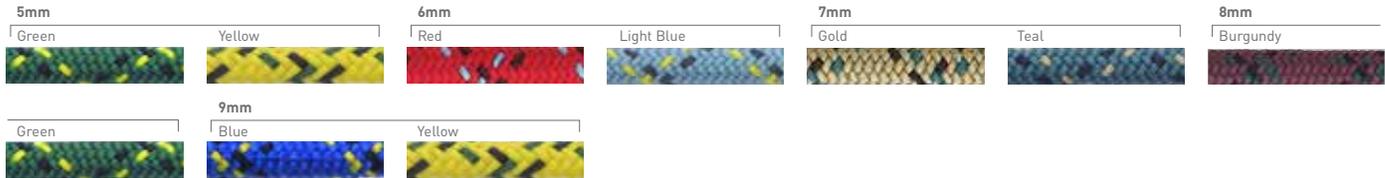
## Features

- ✓ Perfect balance between firm and supple
- ✓ Great grip on the climbing rope without letting the knot lock up

## Specifications

**Core:** Nylon  
**Cover:** Nylon

**Braid:** 32



Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
5	1/7	18.9	1.20	500	1,100
6	1/4	25.3	1.70	780	1,750
7	3/32	28.6	1.92	870	1,955
8	5/16	40.2	2.70	1,380	3,100
9	7/20	52.1	3.50	1,780	4,000

# Premium 3-Strand Nylon



3-Strand high grade marine Nylon

Premium 3-Strand Nylon is a long-wearing, flexible and easy-to-handle rope that has greater strength and better abrasion resistance than all other 3-strand nylon lines. The highest tenacity nylon treated with our proprietary Marine Tech coating increases its wet strength and improves its fiber-to-fiber abrasion.



Ø	6mm	8mm	10mm	11mm	12mm	14mm	16mm	18mm	22mm	25mm	28mm
Diameter	1/4"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	3/4"	7/8"	1"	1 1/8"
Tensile	2,100	3,000	4,250	6,000	7,500	8,800	11,650	17,150	22,300	27,700	35,800
Weight	1.60	2.40	3.50	4.60	6.30	8.00	9.60	13.70	18.70	24.30	31.10

# Vintage 3-Strand



3-Strand Spun and Filament Polyester

A high tech, high strength rope with a soft hand and a classic traditional look. Blends naturally with wood elements. Excellent abrasion resistance with low stretch and high strength. Easy to splice.



Ø	4mm	6mm	8mm	10mm	11mm	12mm	16mm	18mm	24mm
Diameter	5/32"	1/4"	5/16"	3/8"	7/16"	1/2"	5/8"	3/4"	1"
Tensile	730	1,450	2,100	3,450	4,150	6,200	12,400	11,000	Call
Weight	0.67	1.67	2.60	4.40	5.10	7.30	15.00	16.50	28.75

# APEX

MADE IN 

Apex is the workhorse of the MAXIM® product line. Designed for big wall and trad climbing or for working projects and developing routes, Apex makes an excellent rope for challenge courses and fall protection for safety personnel. It consistently takes a beating but still delivers reliable clips. All Apex ropes feature an Endura DRY core. Selected models are 2x-DRY, which adds an Endura DRY cover for the ultimate dry protection.



## Features

- ✓ All Apex ropes feature Endura DRY on the core
- ✓ Select models have 2x-DRY on the cover
- ✓ Designed for big wall and trad climbing
- ✓ Great for developing routes

## Specifications

- Core:** Nylon  
**Cover:** Nylon  
**Standard:** EN 892  
 UIAA 101  
 ① Single rope

### 9.9 mm



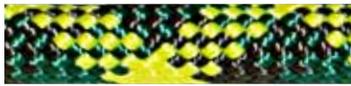
Cranberry STD-DRY



Yellow 2x-DRY



Terra Cotta STD-DRY



Ivy STD-DRY



OD Green 2x -DRY

### 10.2 mm



Sky 2x-DRY



Autumn STD-DRY

### 10.5 mm



Canyon STD-DRY



Technicolor STD-DRY



Green/Yellow STD-DRY

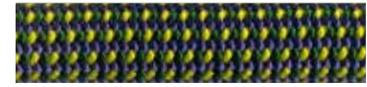
### 11.0 mm



Purple Haze STD-DRY



Amber 2x-DRY



Spring STD-DRY



OD Green 2x-DRY

Ø	Weight		Sheath slippage	Elongation		Max. Impact Force	Number of Falls	
	g/m	lbs/100		dynamic	static		minimum	average
9.9	65.5	4.4	0	29.0 %	5.0 %	9.5	5	7
10.2	67	4.5	0	29.0 %	4.5 %	9.8	7	9
10.5	74.4	5.0	0	29.0 %	4.8 %	9.4	10	12
11.0	81.8	5.5	0	29.0 %	4.8 %	9.6	13	15

Certain sizes and colors are also available in various lengths.

# CHALK LINE

MADE IN 

MAXIM™'s Chalk Line was specifically developed for the punishment gyms inflict on rope. Whether you have a small gym or big wall, the Chalk Line can take the constant falls and belays. The Str8 Jacket construction allows the Chalk Line to hold its shape and keeps the cover and core in balance which virtually eliminates sheath slippage. This will reduce flat spots and help maintain the performance of the overall rope. The Chalk Line will provide a safe and easy belay through a variety of devices while still maintaining its shape. Gym owners who use Chalk Line love their longevity which saves them money by not having to replace them as often.



## Features

- ✓ Maintains shape
- ✓ Reduces sheath slippage
- ✓ No flat spots
- ✓ No more baddy rope

## Specifications

**Core:** Nylon  
**Cover:** Nylon  
**Standard:** EN 892  
 UIAA 101  
 ① Single rope

### 9.7 mm



Blue/Gray STD-DRY

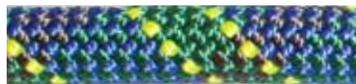


Orange/Gray STD-DRY

### 10.2 mm



Blue STD-DRY



Green/Yellow/Purple STD-DRY



Empire STD-DRY

### 10.2 mm Soft



Red/Black/Yellow STD-DRY

### 10.8 mm



Gray STD-DRY



Purple/Black STD-DRY

Ø	Weight		Sheath slippage	Elongation		Max. Impact Force	Number of Falls	
	g/m	lbs/100		mm	dynamic		static	kN
9.7	62	4.17	0	29.0 %	8.5 %	9.1	5	6
10.2	67.0	4.50	0	29.0 %	4.5 %	9.8	5	7
10.8	72.9	4.9	0	28.1 %	9.9 %	10.6	5	7

Certain sizes and colors are also available in various lengths.



**TEUFELBERGER FIBER ROPE CORP.**

848 Airport Road  
Fall River, MA 02720-4735, USA  
Telephone: +1 508 678-8200  
Fax: +1 508 479-2363  
fiberrope.us@teufelberger.com

[www.teufelberger.com](http://www.teufelberger.com)