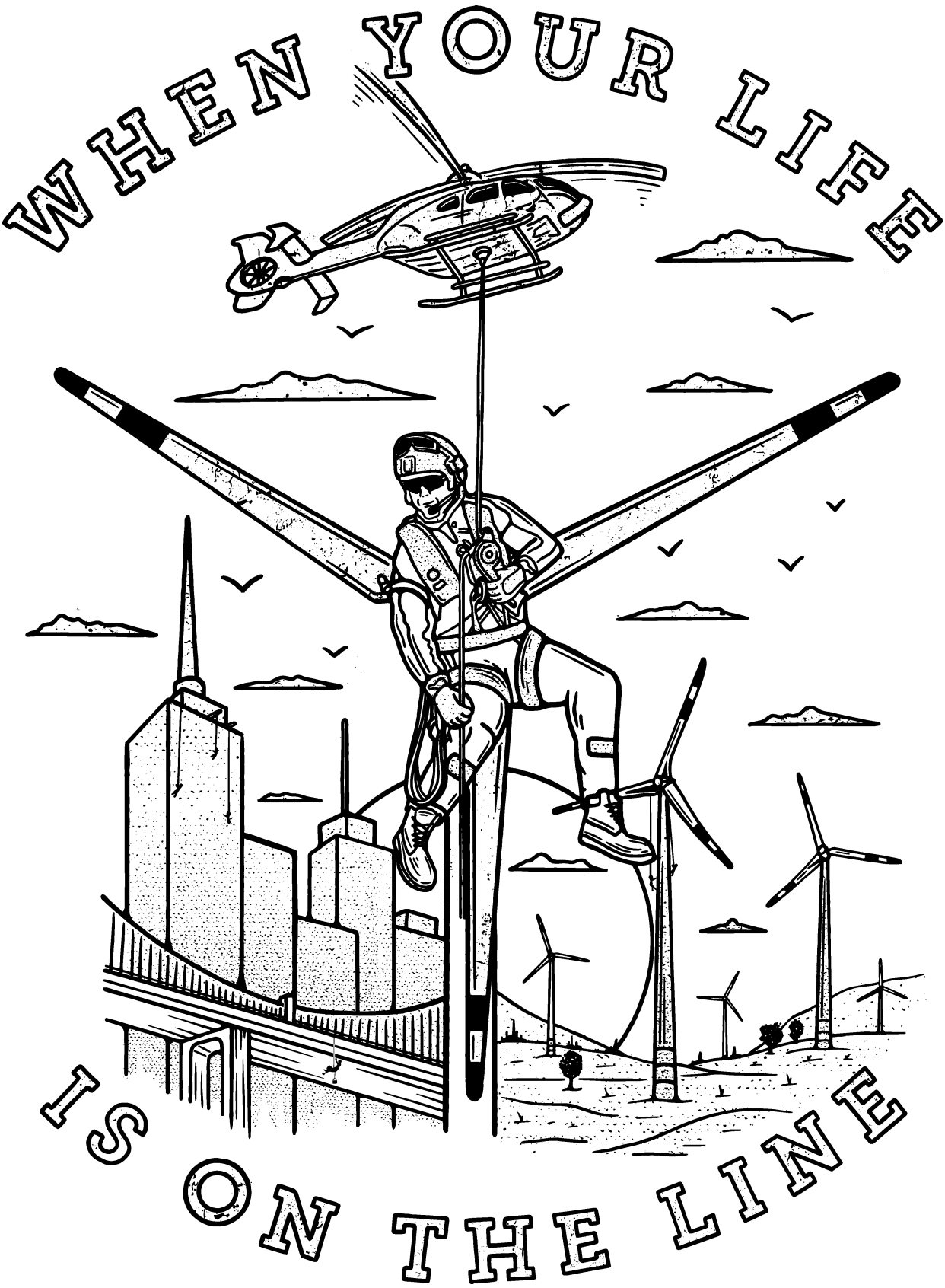
DACON TRADING CO.,LTD.

Teufelberger

SAFETY AND RESCUE

Products

www.teufelberger.com


WHEN YOUR LIFE
IS ON THE LINE

Contents

The technical specifications are based on the units system used in the country of manufacture. Additional specifications were converted and rounded.

⚠ WARNING
Using these products can entail risks. Do not use them for any other than the intended purposes. Especially, do not use them for personal protection or lifting purposes as specified in PPE-Regulation (EU) 2016/425, unless the products are clearly identified as suitable for such purposes under relevant standards. Customers shall make sure that persons using the products are familiar with their correct use and the necessary safety precautions. Keep in mind that any of these products can cause damage if incorrectly used, stored, cleaned, or overloaded. Check national safety regulations, industry recommendations, and standards for locally applicable requirements (e.g. choice of safety factors).Tested values with sewn termination are based on the seam pattern certified by Teufelberger.

One Company

What started back in 1790 as a simple shop making hemp ropes has since evolved into a globally successful group of enterprises specializing in the development and production of fiber and steel wire ropes as well as strapping.

Innovative products of outstanding quality

Our expertise in a wide range of technologies has generated numerous synergies between our various divisions, much to the benefit of our customers. By assigning five percent of our employees to research and development, we make sure that our customers keep benefitting from cutting-edge technologies. In addition to upholding social and environmental standards, we also pay close attention to delivering consistently high quality and make sure that all our products comply with our quality standards.

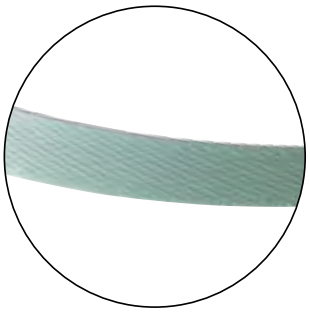
Teufelberger Headquarters, Wels, Austria

Fiber Ropes

Industrial Fiber Ropes
Life Safety Ropes
Paper Carrier
Treecare
Yachting Ropes

Wire Ropes

Cableway Ropes
Crane & Industrial Ropes
Mining Ropes
Offshore Ropes
S&S / Teci
Tensostructures



Strapping Solutions

PET Strapping
PP Strapping

Infinite Possibilities

Whatever your requirements are, we are the right partner for you!

As the largest manufacturer of life safety ropes worldwide, we are your trusted partner for safety products that are perfectly tailored for working at height. We are constantly checking market needs to develop products and services that support your business and make your life easier.

Together with our customers, we develop ropes that make work easier, safer and more ergonomic. The keys to our success are international locations and a high degree of interaction with the customer. Our product development teams in Europe and the US work closely with our customers and external partners, like research institutes and certification authorities, to create products that do not only meet European and International standards but also live up to the high expectations of industry professionals.

Product development is key

The development of our product portfolio is an ongoing process fueled by our innovative spirit, our aspirations for continuous improvement and our passion to develop the best products for work at great heights. Due to these characteristics, we have been able to convert groundbreaking ideas such as our PLATINUM® technology and the newly developed unique PROTECT technology into practical solutions.

Our product development process incorporates fiber research and testing, prototype development, internal inspections, tests for compatibility with commercially available products, field tests and practical trials by experienced users. Finally, the process culminates with the product certification conducted by independent third parties. This comprehensive product development process was developed and refined over the years and has played an important role in making Teufelberger a key player in the world of work at height.

Quality without compromises

At Teufelberger, quality is a key priority. From the receipt of the raw materials to the delivery of the finished product, strict quality checks are standard practice. Each rope, lanyard or sling made by Teufelberger has its individual inspection number which not only indicates the year it was manufactured but also ensures the traceability of the product.

Your trusted partner

Our portfolio is already extensive, nevertheless we continue to develop innovative products that meet your evolving needs and requirements. Teufelberger offers comprehensive expertise in various segments of rope engineering, which gives you a decisive advantage in the selection and development of your rope. Our research and development department engineers custom-tailored solutions and implements them in the best possible way.

In addition to the static safety and rescue ropes, including heat resistant ropes and throwlines, our portfolio also includes dynamic climbing ropes of Teufelberger's MAXIM® brand, technical laces for footwear as well as customized production of safety ropes and equipment for international OEMs.

When it comes to your safety, we leave nothing to chance.

Comprehensive product development process

Fiber research
Prototype development
Internal inspection
Compatibility testing
Practical field testing
Certification

Extensive product portfolio

Static ropes
Dynamic ropes
Heat-resistant ropes
Throwlines
General purpose ropes
Technical laces
Accessories

Global network and market proximity

14 locations around the world, including manufacturing sites in Austria, Italy, Poland, Thailand, the Czech Republic, and the U.S.

Trusted partner for international OEMs

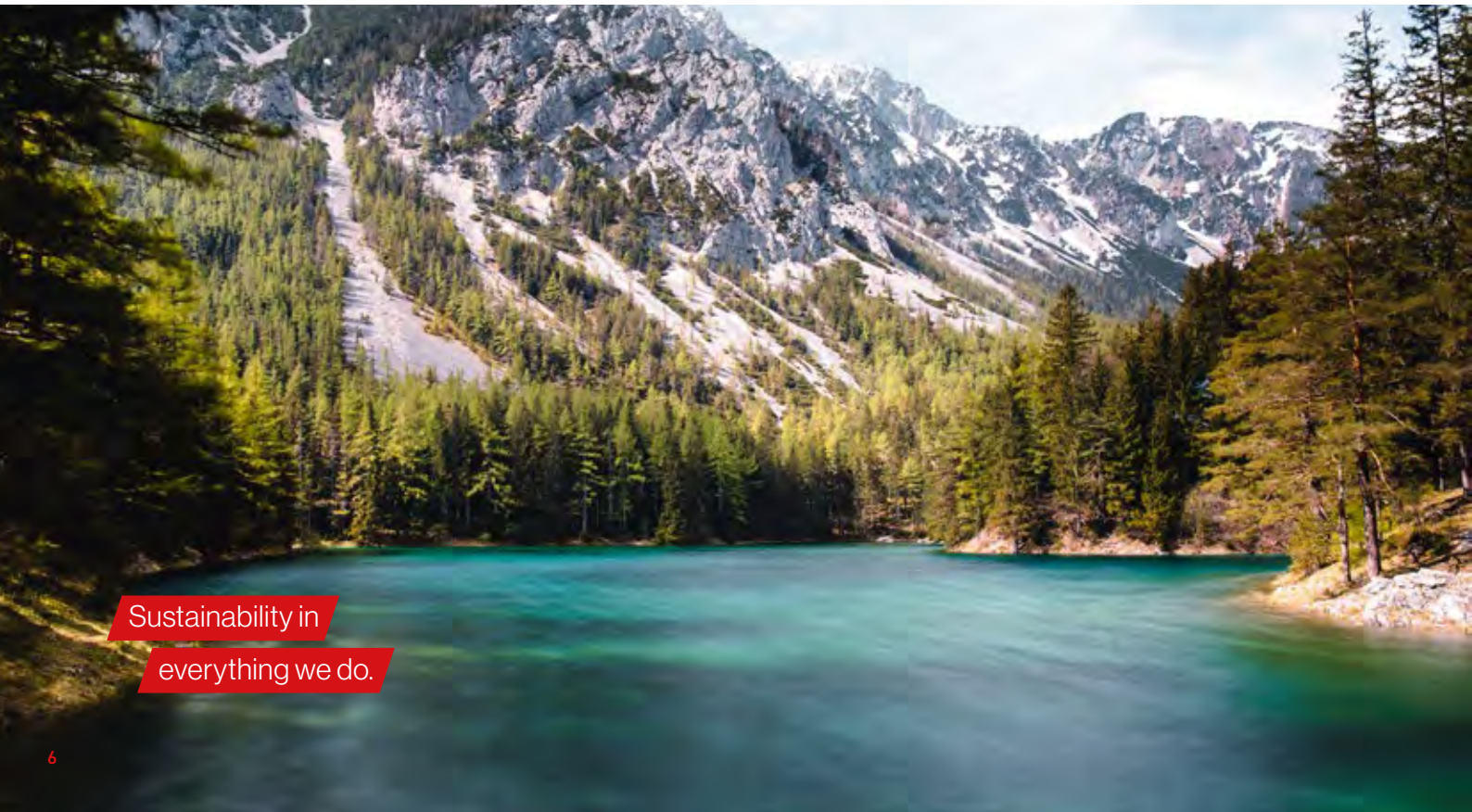
Focused on Sustainability

Our commitments

With its Agenda 2030 for Sustainable Development, the United Nations has set a milestone for the future when it comes to spurring worldwide economic progress in harmony with social justice and the ecological limits of our planet. Based on the goals of this agenda, Teufelberger has developed five relevant, group-wide commitments in order to promote sustainability:

1 to **create** added **value** for employees and the region

2 to **protect** our **resources**



Teufelberger, a family-run business for seven generations, looks back on 230 years of company history. Its continued successful development over such a long period of time has been made possible only through resource-saving and sustainable thinking and acting. “Sustainability in everything we do” has been a principle guiding us since 1790. And, in order to ensure the future existence of our company, we are now setting the course for the future – with a strong focus on sustainability.

3 to **use** energy **sustainably**

4 to increase **safety** and **security**

5 to achieve **progress** through **innovation** and **technology**

Our goals

An essential part of a successful sustainability strategy is to set ambitious goals and to pursue them consistently. We at Teufelberger have defined the following goals for the period until 2030:

- to reduce our company’s carbon footprint by 35%
- to reduce production waste by 20%
- to only use electric power generated from renewable energy
- to only use packaging made from recycled materials
- to implement sustainability plans for all departments
- to promote lifelong learning

In addition to these group-wide goals, every division has also defined various specific goals aligned with and contributing toward the group-wide goals. Going forward, the Fiber Rope Division, which also includes Safety & Rescue, will be focussing on the following sustainability goals and projects:

To offer options for the recycling of ropes

For Teufelberger, “Recycling” is a major target area offering the greatest CO_2-reduction potential. Thus, a large part of our resources will be applied to the development of a system for the recycling of ropes at the end of their service life.

To offer climate-neutral products

By offering select products that were manufactured in a climate-neutral way, we aim to help our customers to contribute directly to a more sustainable future.

To regranulate plastic reels in-house

With the help of our own in-house regranulation machine, we intend to return used polypropylene (PP) reels to the raw materials cycle for our strapping products.

To rely on sustainable packaging solutions

Sustainable packaging is a big focus point comprising many aspects. This is why all products are individually checked for their packaging. Where possible, we opt for more sustainable solution.

Static Ropes

Low elongation kernmantle ropes are engineered specifically for rope assisted work activities including working at height, restraint tasks, rescue operations and caving.

MTO **Make-to-order:**
Ropes marked with this icon are not in stock. They are only produced on order. Longer leadtime will apply.

Sewn:
A sewn end termination is possible for each rope where technical data is advertised in the "sewn" column.

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

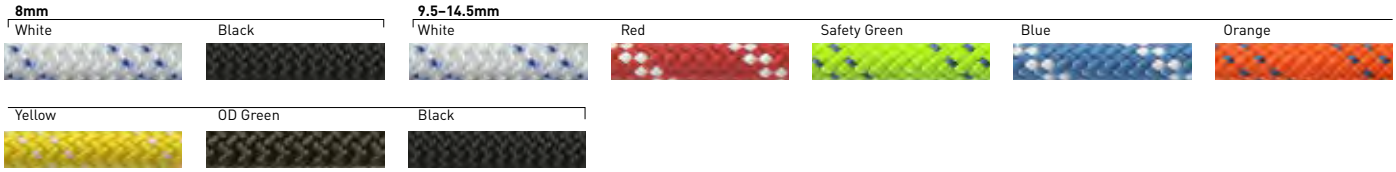
Specifications

Core: Nylon

Cover: Polyester

Standard: EN 1891 B (8.0mm)
EN 1891 A (9.5mm, 11mm, 13mm)
NFPA 2500 (1983)
(8.0mm, 9.5mm, 11.0mm, 13.0mm, 14.5mm)

Braid: 32



CE test results per EN 1891

Ø		Weight		Shrinkage	Elongation 50-150 kg	Min. breaking strength Free length		Sewn		Cover
mm	inch	g/m	lbs/100'	%	%	daN	lbf	daN	lbf	%
8.0	5/16	58.0	3.90	< 5.0	3.5	2,260	5,080	1,895	4,260	47.0
9.5	3/8	60.0	4.03	< 5.0	1.8	2,800	6,290	1,895	4,260	43.8
11.0	7/16	91.0	6.12	< 5.0	2.1	3,330	7,485	3,085	6,935	55.5
13.0	1/2	116.9	7.86	< 5.0	1.8	4,330	9,730	3,680	8,265	47.4
14.5	5/8	149.0	10.01	< 5.0	1.5	5,680	12,765	3,925	8,830	47.4

NFPA test results

Ø		Elongation			Approved class
mm	inch	at 1.35 kN (%)	at 2.7 kN (%)	at 4.4 kN (%)	
8.0	5/16	3.0	6.3	10.2	Escape Rope
9.5	3/8	2.0	5.0	8.0	Technical Use
11.0	7/16	2.2	4.4	6.8	Technical Use
13.0	1/2	1.4	2.7	4.5	General Use
14.5	5/8	1.3	3.0	4.8	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 A, NFPA 2500 (1983)
Braid: 32

All diameters
Black/Yellow

9.5mm
Black

11mm
Orange

CE test results per EN 1891

Ø		Weight		Shrinkage	Elongation 50-150 kg	Min. breaking strength Free length		Sewn		Cover
mm	inch	g/m	lbs/100'	%	%	daN	lbf	daN	lbf	%
9.5	3/8	60.0	4.03	< 5.0	1.8	2,800	6,290	1,895	4,260	43.8
11.0	7/16	91.0	6.12	< 5.0	2.1	3,330	7,485	3,085	6,935	55.5
13.0	1/2	116.9	7.86	< 5.0	1.8	4,330	9,730	3,680	8,265	47.4

NFPA test results

Ø		Elongation			Approved class
mm	inch	at 1.35 kN (%)	at 2.7 kN (%)	at 4.4 kN (%)	
9.5	3/8	2.0	5.0	8.0	Technical use
11.0	7/16	2.2	4.4	6.8	Technical use
13.0	1/2	1.4	2.7	4.5	General use

© Tom Nickel

KM Pro

MADE IN

KM Pro is specifically manufactured to the needs of the rope access industry and perfectly combines price and performance. The rope access world requires workhorse ropes that perform at the highest level under constant use in often challenging situations. KM copes with these challenges and offers superior strength, handling, tenacity, abrasion resistance and low elongation. In addition, we were able to produce this high functioning rope at a lower cost than similar ropes, especially those with the NFPA price tag. KM Pro is perfectly suited for tower climbing, solar installations, cleaning, inspections, maintenance or work on wind turbines.

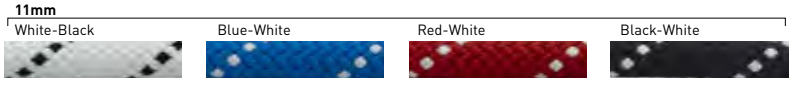
Features

- Specially made for rope access industry
- High strength construction
- UV and chemical resistant sheath
- Perfect blend of price and performance

Specifications

Core: Nylon
Cover: Polyester
Standard: EN 1891A
CI 1801
Braid: 32

11mm



CE test results per EN 1891

Ø		Weight		Shrinkage	Elongation 50-150 kg	Min. breaking strength Free length		Knotted		Sewn		Cover
mm	inch	g/m	lbs/100'	%	%	daN	lbf	daN	lbf	daN	lbf	%
11	7/16	86.0	5.78	1.1	2.0	3,500	7,865	1,800	4,045	3,000	6,740	47.0

KM G

MADE IN

KM G is an 11mm G-rated rescue rope that is NFPA certified with a rating for general use. This means that the rope can be used in rescue scenarios for two persons without an additional back-up needed. In addition to its extraordinary minimum breaking strength of 42.9 kN, KM G delivers a category leading elongation of only 1.2 %. This rope's performance exceeds both the NFPA G-rating and every other G-rated 11mm rope. KM G's high strength, anti-rotational core is made of Nylon, giving it superior handling and knot-ability. That is paired with an abrasion, UV and chemical resistant sheath made of low elongation, high tenacity polyester.

Features

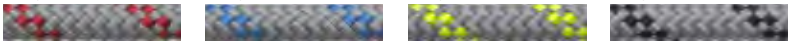
- NFPA G-rated for general use
- Extraordinary breaking strength
- Very low elongation
- Abrasion, UV and chemical resistant sheath
- Rescue rope for two people load

Specifications

Core: Nylon
Cover: Polyester
Standard: NFPA 2500 (1983)
Braid: 32

11mm

Grey-Red | Grey-Blue | Grey-Yellow | Grey-Black



Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
11.0	7/16	85.4	5.74	4,290	9,640

NFPA test results

Ø		Elongation			Approved class
mm	inch	at 1.35 kN (%)	at 2.7 kN (%)	at 4.4 kN (%)	
11.0	7/16	1.2	2.4	4.6	General use

© TnT / Valor Rescue

PLATINUM® Protect XG PES/PA

MADE IN

PLATINUM® Protect XG PES/PA features the PLATINUM® technology with a mechanical connection between the core and the cover which enhances your safety because it reduces sheath slippage. This rope with a polyester cover offers good breaking loads as well as advantageous chemical and physical properties such as UV resistance, seawater resistance, and good abrasion strength in both dry and wet conditions. PLATINUM® Protect XG PES/PA is a must-have for every industrial climber and perfectly suited for working at great heights and in rough terrain.

Features

- Low elongation
- Good resistance to acids
- Seawater resistance
- Excellent UV protection

Certifications

- 10.5 mm certified with PETZL ASAP (B7, B71AAA, B071AA00), only with ASAP Sorber 20+40 or Absorbica according to EN 353-2
- 10.5 mm certified with PETZL ASAP LOCK (B071BAA00) in use with ASAP'SORBER AXESS according to EN 353-2

Specifications

Core: Nylon
Cover: Polyester
Standard: EN 1891A
Braid: 32

CE test results per EN 1891

Ø		Weight		Shrinkage	Elongation 50-150 kg	Min. breaking strength Free length		With figure 8 knot		Cover
mm	inch	g/m	lbs/100'	%	%	daN	lbf	daN	lbf	%
10.5	13/32	78.0	5.24	2.0	2.0	2,800	6,290	1,500	3,370	50.5
11.0	7/16	86.0	5.78	2.0	2.0	3,400	7,640	1,700	3,280	47.0

Ultrastatic

MADE IN

The Ultrastatic is an exceptional static rope with a polyester sheath over a nylon core. Ultrastatic is certified to EN 1891 A and features extremely low stretch along with high static strength and superior handling characteristics. Following these characteristics, the Ultrastatic is a great choice for work and rescue at great heights, use in rough environments of rescue and hoisting equipment, as well as for the use as a rapelling aid.

Features

- Above average breaking strength
- Exceptionally low stretch
- Excellent UV stability
- Good resistance to acids

Certifications

- PETZL ASAP international version (B071AA00) in use with ASAP'Sorber 20+40 cm international version according to EN 353-2
- PETZL ASAP LOCK (B071BAA00) in use with ASAP'Sorber AXESS according to EN 353-2

Specifications

Core: Nylon
Cover: Polyester
Standard: EN 1891 A
Braid: 32

10,5mm

White

Yellow-Black

11mm

White/Black

Yellow

Black

Red

Blue

CE test results per EN 1891

Ø		Weight		Elongation 50-150 kg	Shrinkage	Min. breaking strength Free length		With figure 8 knot		Cover
mm	inch	g/m	lbs/100'	%	%	daN	lbf	daN	lbf	%
10.5	13/32	76.0	5.10	2.5	2.5	3,200	7,190	1,700	3,820	39.0
11.0	7/16	88.0	5.90	2.0	2.0	4,000	8,990	1,800	4,045	40.0

© Knut Foppe

Rescue Assault

MADE IN

The cutting-edge static Rescue Assault rope, fortified with the revolutionary PROTECT technology, is engineered to exceed all expectations in the most demanding situations. This new rope offers an additional level of safety to your daily work.

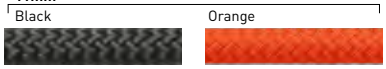
Features

- Highly cut resistant thanks to Aramid intermediate sheath
- Unique and patented PROTECT technology
- Structural integrity under heavy loads
- Various fields of applications

Specifications

Core: Nylon
Cover: Aramid, Nylon
Standard: EN 1891A
Braid: 32

11mm



CE test results per EN 1891

Ø		Weight		Shrinkage	Elongation 50-150 kg	Min. breaking strength Free length		Knotted		Sewn		Cover
mm	inch	g/m	lbs/100'	%	%	daN	lbf	daN	lbf	daN	lbf	%
11.0	7/16	77.0	5.18	4.0	3.0	3,000	6,740	1,800	4,045	2,000	4,495	47,0

Unrivaled Durability

Constructed with the highest-quality materials, our Rescue Assault rope boasts exceptional durability, making it a reliable companion in even the harshest environments. Its unique and patented PROTECT technology with an Aramid intermediate sheath sets it apart from conventional ropes. It provides unmatched resistance to abrasion and wear, ensuring longevity and safety when dealing with sharp edges and rough surfaces.

Designed for Rope Rescue

When lives are on the line, you need a rope you can rely on. Our Rescue Assault rope is purpose-built for rope rescue scenarios, where strength, dependability, and performance are paramount. It maintains its structural integrity - even under heavy loads - making it an indispensable asset for professional rescuers and emergency response teams.

Ideal for Military and Special Operations applications

In military operations, precision and efficiency are crucial. Our static Rescue Assault rope is engineered to meet the rigorous demands of military use, ensuring that personnel can confidently navigate challenging terrains and complete missions with utmost safety and effectiveness.

Versatile Performance

Our Rescue Assault rope is not limited to specific applications. From technical rope rescue operations to military missions, rope access, and more, its versatility empowers users across various fields with the tools they need to achieve success.

Embrace the superior technology and unparalleled performance of our new Rescue Assault static rope. Whether you are a seasoned professional in rope rescue or a military operative seeking the best equipment, our rope is your ultimate solution. Invest in a rope that elevates your capabilities and enhances your safety.

An additional
level of safety
for your daily work.

© ZeroG Squad

Patron

MADE IN

The entire Patron series is exceptionally appealing because of its low weight and high breaking strength. Due to the high strength and the low danger of breaking, Patron ropes are the right choice for many different applications. The high-twist 32-strand mantle braid provides for high dirt resistance, better grip and high abrasion protection.

Features

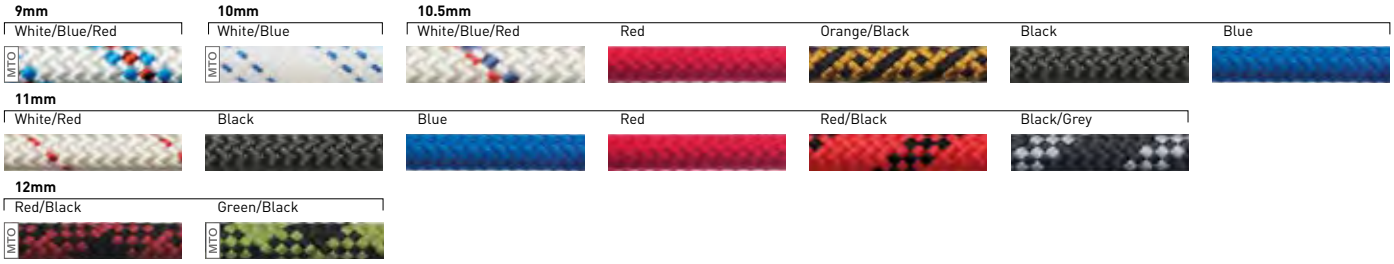
- Lightweight
- High breaking load
- Excellent grip and handling

Specifications

Core: Nylon
Cover: Nylon
Standard: EN 1891 B (9mm)
EN 1891 A
(10mm, 10.5mm, 11mm, 12mm)
Braid: 32

Certifications

- 10.5mm certified with CT Easy Speed and SKR2 according to EN353-2
- 11.0mm certified with PETZL ASAP (B71, B71AAA, B071AA00), only with ASAP'Sorber 20+40 or Absorbica according to EN 353-2
- 11.0mm certified with PETZL ASAP LOCK (B071BAA00) in use with ASAP'Sorber AXESS according to EN 353-2
- 11.0mm certified with Anthron DSD+ and CT Sparrow 200R according to EN341-2A
- 12.0mm certified with Teufelberger Ropstop 3 according to EN 353-2



CE test results per EN 1891

Ø		Weight		Shrinkage	Elongation 50-150 kg	Min. breaking strength Free length		With figure 8 knot		Sewn		Cover
mm	inch	g/m	lbs/100'	%	%	daN	lbf	daN	lbf	daN	lbf	%
9.0	23/64	51.0	3.43	3.0	3.0	2,000	4,495	1,300	2,920	-	-	41.0
10.0	3/8	66.0	4.44	3.0	3.0	2,900	6,515	1,600	3,595	2,500	5,620	38.0
10.5	13/32	72.0	4.84	4.0	3.0	3,200	7,190	1,800	4,045	2,600	5,845	37.0
11.0	7/16	75.0	5.04	4.0	3.0	3,300	7,415	1,800	4,045	2,700	6,070	36.0
12.0	1/2	92.3	6.19	4.0	3.0	3,800	8,540	2,400	5,395	3,400	7,640	36.0

Patron PLUS

MADE IN

The Patron PLUS was developed specifically to withstand heavy loads in applications such as motor winches. Dirt, climatic influences, heavy loads, and dimensional stability requirements place high demands on a rope. When designing Patron PLUS, we focused on making it extremely robust and compact.

Features

- High-quality nylon
- High breaking loads compared with extra light weight
- Robust and compact
- Protection against abrasion and ingress of dirt
- Soft handling
- High comfort in transport and storage

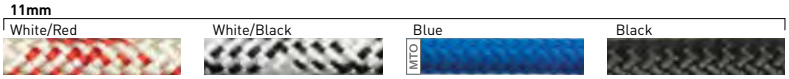
Certifications

- 11.0mm certified with CT Easy Speed and SKR2 according to EN353-2
- 11.0mm certified with CTSparrow 200R according to EN341-2A

Specifications

Core: Nylon
Cover: Nylon
Standard: EN 1891 A
Braid: 32

11mm



CE test results per EN 1891

Ø		Weight		Shrinkage	Elongation 50-150 kg	Min. breaking strength Free length		With figure 8 knot		Sewn		Cover
mm	inch	g/m	lbs/100'	%	%	daN	lbf	daN	lbf	daN	lbf	%
11.0	7/16	75.0	5.04	4.0	3.0	3,300	7,415	1,900	4,270	2,700	6,065	36.0

Chameleon

MADE IN

The new Chameleon is a robust, all-round rope with an ecological footprint. For its production, high-quality yarns left over during color change in the extrusion process is used. Therefore the rope's color is flexible and changes based on the raw material provided. This upcycling helps to reduce waste in the fiber production process. The Chameleon range offers the same great handling and strength you would expect from Teufelberger ropes.

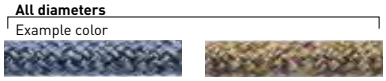
Features

- All-round rope
- Robust and long-lasting
- Ecological footprint
- Flexible colors

Specifications

Core: Nylon
Cover: Nylon
Standard: EN 1891 A
Braid: 32

All diameters



CE test results per EN 1891

Ø		Weight		Shrinkage	Elongation 50-150 kg	Min. breaking strength Free length		With figure 8 knot		Sewn		Cover
mm	inch	g/m	lbs/100'	%	%	daN	lbf	daN	lbf	daN	lbf	%
10.5	13/32	72.0	4.84	4.0	3.0	3,200	7,190	1,800	4,045	2,600	5,840	37.0
11.0	7/16	75.0	5.04	4.0	3.0	3,300	7,415	1,800	4,045	2,700	6,065	36.0

Tutor XG

MADE IN

The “next generation”, Tutor XG, replaces Tutor HST and offers other diameters. Due to its higher cover proportion and the 40-plait braided cover, Tutor XG is very robust and also features particularly high breaking forces in the figure eight hitch. The closely braided thick cover of polyamide offers high abrasion resistance. Tutor XG is certified to EN 1891 A.

Features

- Very robust due to high cover proportion
- High abrasion resistance due to 40-plait braided cover
- Extremely high breaking force of 11mm in figure eight knot

Specifications

Core: Nylon
Cover: Nylon
Standard: EN 1891 A
Braid: 40

10.5mm
White/Red
Red/Black
MTO

CE test results per EN 1891

Ø		Weight		Shrinkage	Elongation 50-150 kg	Min. breaking strength Free length		With figure 8 knot		Cover
mm	inch	g/m	lbs/100'	%	%	daN	lbf	daN	lbf	%
10.5	13/32	70.5	4.70	3.0	3.0	3,200	7,190	1,800	4,045	36.0

Fides III

MADE IN

This type of rope structure is characterized by a 32-plait braided cover and three braided cores. Its design makes this rope particularly well suited for use around sheaves. Furthermore, it provides above average breaking forces in combination with various types of hardware.

Features

- Perfect for the use in devices conforming to EN 341:2011
- Above average breaking forces in combination with devices
- Soft in handling
- High abrasion strength
- 3 braided cores

Specifications

Core: Nylon
Cover: Nylon
Standard: EN 1891 A
Braid: 32

9.6mm
White/Orange/Grey

CE test results per EN 1891

Ø		Weight		Shrinkage	Elongation 50-150 kg	Min. breaking strength Free length		With figure 8 knot		Sewn		Cover
mm	inch	g/m	lbs/100'	%	%	daN	lbf	daN	lbf	daN	lbf	%
9.6	3/8	61.0	4.10	3.0	4.0	2,500	5,620	1,600	3,595	2,000	4,495	40.0

Multiline II

MADE IN

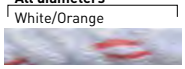
Multiline II is a composite rope, constructed by twisting three strands of a blend of spun and filament polyester around cores of fibrillated polyolefin. The polyolefin keeps the strands firm and round without adding weight, which improves abrasion resistance and handling. The spun polyester gives Multiline 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.

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

All diameters

White/Orange



Specifications

Material: Polyolefin
Polyester

Braid: 3

This product is not CE marked per PPE Regulation - not allowed for PPE use in EU

Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
11.0	7/16	77.4	5.20	1,775	4,000
12.0	1/2	99.7	6.70	2,265	5,100
16.0	5/8	154.7	10.40	3,780	8,500
18.0	3/4	215.7	14.50	4,490	10,100
22.0	7/8	266.3	17.90	5,780	13,000
25.0	1	313.9	21.10	6,895	15,500

Braided Safety Blue

MADE IN

Braided Safety Blue combines features that ensure unparalleled safety, ergonomics, and durability. The blue core of Braided Safety Blue is exposed when the rope suffers deep damage or has worn down to a point where it should be discarded. As a full 12.7mm rope, Braided Safety Blue goes easy on your hands. This allows you to work longer and avoid injury. Where durability is concerned, Braided Safety Blue's design and detailed workmanship are unrivaled. The additional step of plying the yarns in the strands results in a firmer, rounder, and more durable strand. Other 16-strand ropes skip this step, making them more susceptible to abrasion and shortening their life spans.

Features

- Proprietary "blue" safety core
- Plied strand yarns for improved abrasion resistance
- Coating with a protective finish improves durability and grip
- Easy to splice

12.7mm

HiVee

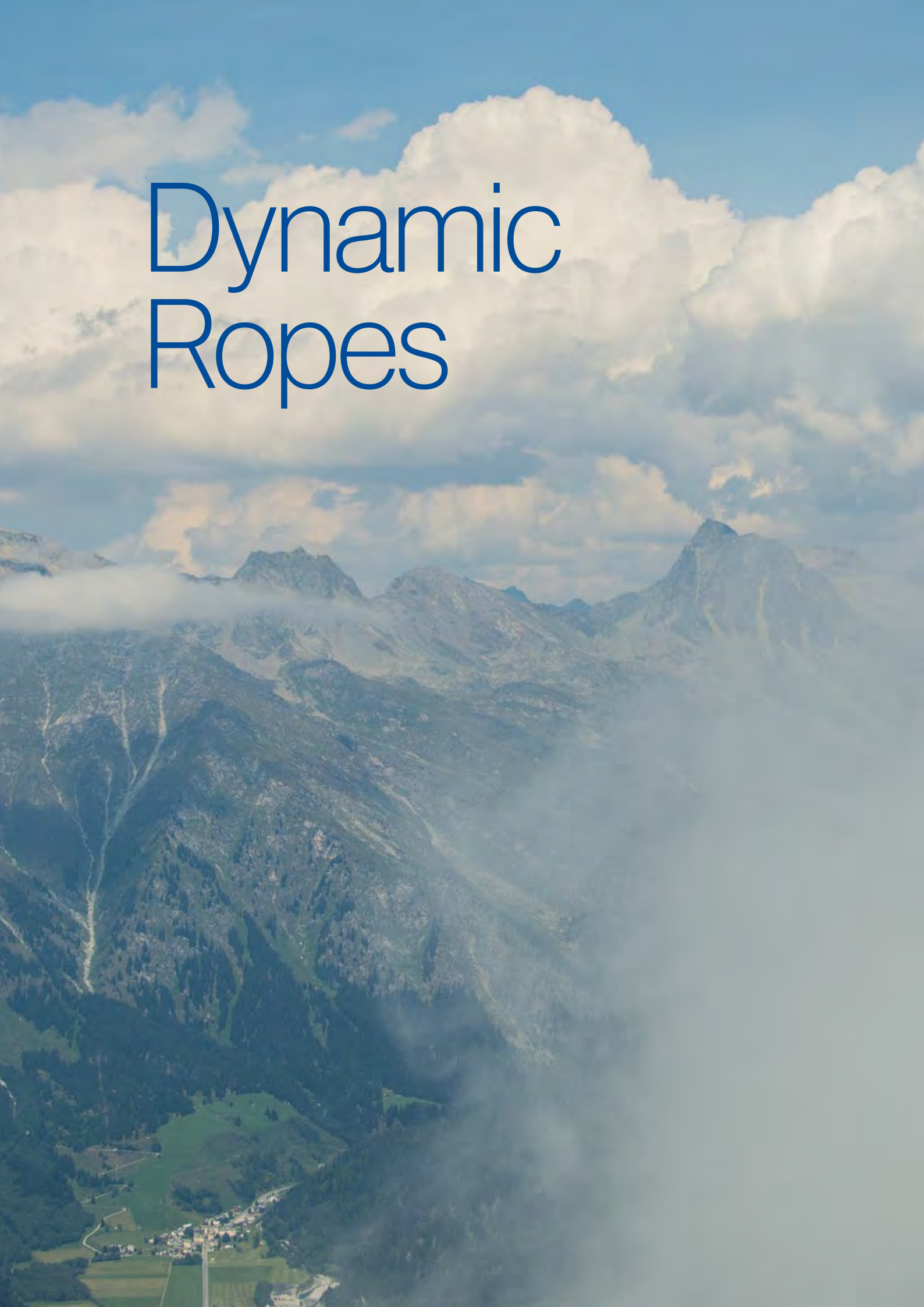
UltraVee

TVee

Specifications

Core: Nylon
Cover: Polyester
Standard: ANSI Z133
Braid: 16

Ø		Weight		Shrinkage	Elongation 50-150 kg	Min. breaking strength Free length		With figure 8 knot		Cover
mm	inch	g/m	lbs/100'	%	%	daN	lbf	daN	lbf	%
12.7	1/2	105.6	7.10	< 5.0	3.0	2,580	5,800	2,350	5,290	82.0



Dynamic Ropes

Dynamic ropes are the standard for situations where a fall is likely. They are designed to offer a stable rope with high-energy absorption. This reduces the impact forces on the climber. Each of our climbing ropes offers superior abrasion resistance and high durability.

Apex

MADE IN

Our Apex series ropes are designed to provide optimum life safety while permitting the climber to push past his or her personal limits. Apex offers excellent durability with extreme fall protection. Designed to be pushed everyday. Apex ropes provide the long life and safety assurance you have come to expect from MAXIM® Climbing Ropes. Apex features our proprietary Endura DRY treatment process. All of our ropes have dry treated cores. Select styles have a dry core and cover for the ultimate in dry protection.

Features

- All Apex ropes feature Endura DRY on the core
- Select models have Endura 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
Braid: 48

10.5mm

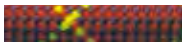

Canyon STD-DRY


Technicolor STD-DRY


Green/Yellow STD-DRY

11.0mm


Purple Haze STD-DRY


Amber 2x-DRY


Spring STD-DRY


OD Green 2x-DRY

Ø	Weight		Elongation EN 892, UIAA		Max. impact force UIAA	Cover	Number of falls	
mm	g/m	lbs/100'	Dynamic (%)	Static (%)	kN	%	Min.	Avg.
10.5	74.4	5.00	29.0	4.8	9.4	28.0	10	12
11.0	82.0	5.51	24.0	4.6	9.2	29.0	13	15

Smaller diameter available, see www.maximropes.com for a complete list of MAXIM® Dynamic Ropes

Dynaflex

MADE IN

Dynaflex is a dynamic rope that is designed to withstand a relatively high number of falls. It is provided with a 40-or 48-plait cover whose close weave protects the nylon cores within from contamination. The highly twined yarns increase the abrasion resistance of the rope, and the regular pattern in the cover makes Dynaflex very grippy and convenient to use. All these characteristics make it the perfect rope for use under extreme conditions and for Cow's Tails in rope access. All diameters of Dynaflex are certified to EN 892.

Features

- Compact 40- or 48-plait cover
- Very grippy handling
- High abrasion resistance
- Good for cow's tails

Specifications

Core: Nylon
Cover: Nylon
Standard: EN 892
Braid: 40 (10mm), 48 (11,3mm)

10mm


Red/Black


Black

11.3mm

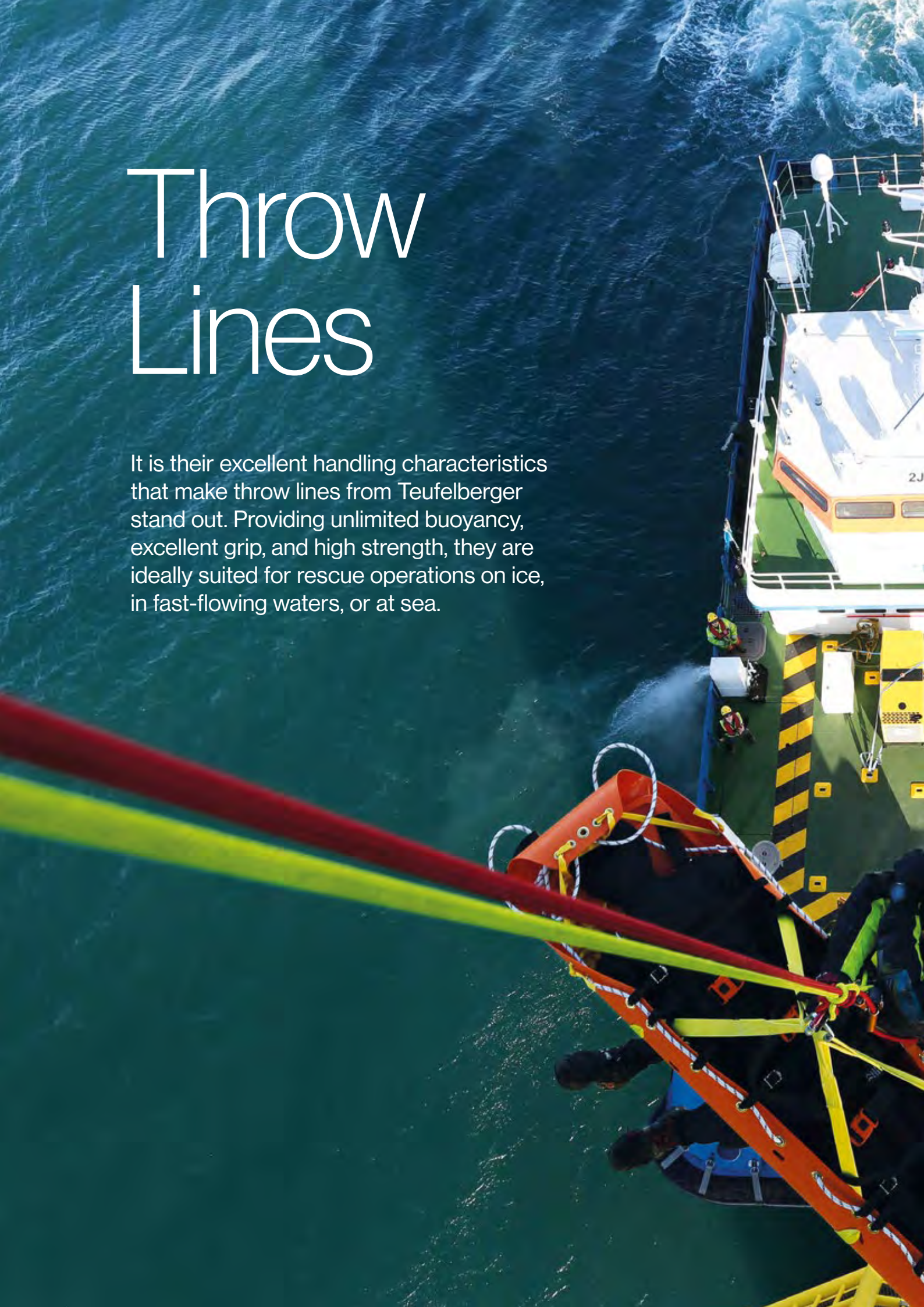

Blue/Black

Ø	Weight		Elongation EN 892, UIAA		Max. impact force UIAA	Cover	Number of falls	
mm	g/m	lbs/100'	Dynamic (%)	Static (%)	kN	%	Min.	Avg.
10.0	61.0	4.10	33.0	8.0	9.0	39.0	7	9
11.3	82.0	5.50	32.0	7.5	9.0	36.0	16	20

© Sam Cossman

Throw Lines

It is their excellent handling characteristics that make throw lines from Teufelberger stand out. Providing unlimited buoyancy, excellent grip, and high strength, they are ideally suited for rescue operations on ice, in fast-flowing waters, or at sea.



MFP-Throw Line

MADE IN

The MFP Throwline is a 12-plait hollow braid rope made of high-strength polypropylene. It is ideal for use as a throwline and heaving line as it flakes easily and resists kinking. MFP-Throw Line is easily spliced and floats indefinitely. Applications for MFP-Throw Line include: Water Rescue Throw Line, Heaving Line and River Raft Lanyards.

Features

- Good handling
- Superior quality fibers
- Easily packable
- Excellent float characteristics

Specifications

Material: Polypropylene
Braid: 12

Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
7.0	9/32	27.1	1.80	601	1,350
8.0	5/16	28.2	1.90	756	1,700

NFPA-Throw Line

MADE IN

The NFPA-Throw Line is a double braid that features a polypropylene cover with a Dyneema® core. This extremely strong and versatile rope has a good hand and a high visibility cover. Designed to be light, strong, and easily packable. The result is a product that is extremely strong and floats indefinitely. Certified to NFPA 2500 (1983) for throwlines.

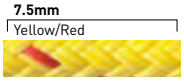
Features

- Meets the NFPA specification for a floating water throwline
- Double braid construction
- Soft hand
- Good grip
- Easily packable

Specifications

Core: Dyneema®
Cover: Polypropylene
Standard: NFPA 2500 (1983)
Braid: 16

This product is not CE marked per PPE Regulation - not allowed for PPE use in EU



Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
7.5	5/16	29.8	2.00	1,930	4,335

Water Rescue Rope

MADE IN

Water Rescue Rope is a spliceable floating rope for use in swift-water rescue applications. The rope has a durable nylon sheath that protects the braided multifilament polypropylene (MFP) core from damaging UV rays. This combination results in a strong product that floats just under the surface of the water. The high visibility yellow color (with contrasting red or blue flecks) is easily seen in the water.

Features

- High load capacity
- Floats
- High visibility
- Good grip ability

Specifications

Core: MFP
Cover: Nylon
Braid: 20

This product is not CE marked per PPE Regulation - not allowed for PPE use in EU

11mm

Yellow/Blue

Yellow/Red

Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
11.0	7/16	78.9	5.30	1,645	3,700

Polygrip Throwline

MADE IN

The Polygrip Throwline is a floating rope made of a polypropylene cover on a nylon core that keeps the rope round. The cover has an added “grip” feature which makes the rope easier to grab and hold with your hand in comparison to other similar diameter ropes. The Polygrip Throwline is certified to NFPA 2500 (1983) throwline requirements.

Features

- Excellent floating characteristics
- Very good grip

Specifications

Core: Nylon
Cover: Polypropylene
Standard: NFPA 2500 (1983)
Braid: 16

This product is not CE marked per PPE Regulation - not allowed for PPE use in EU

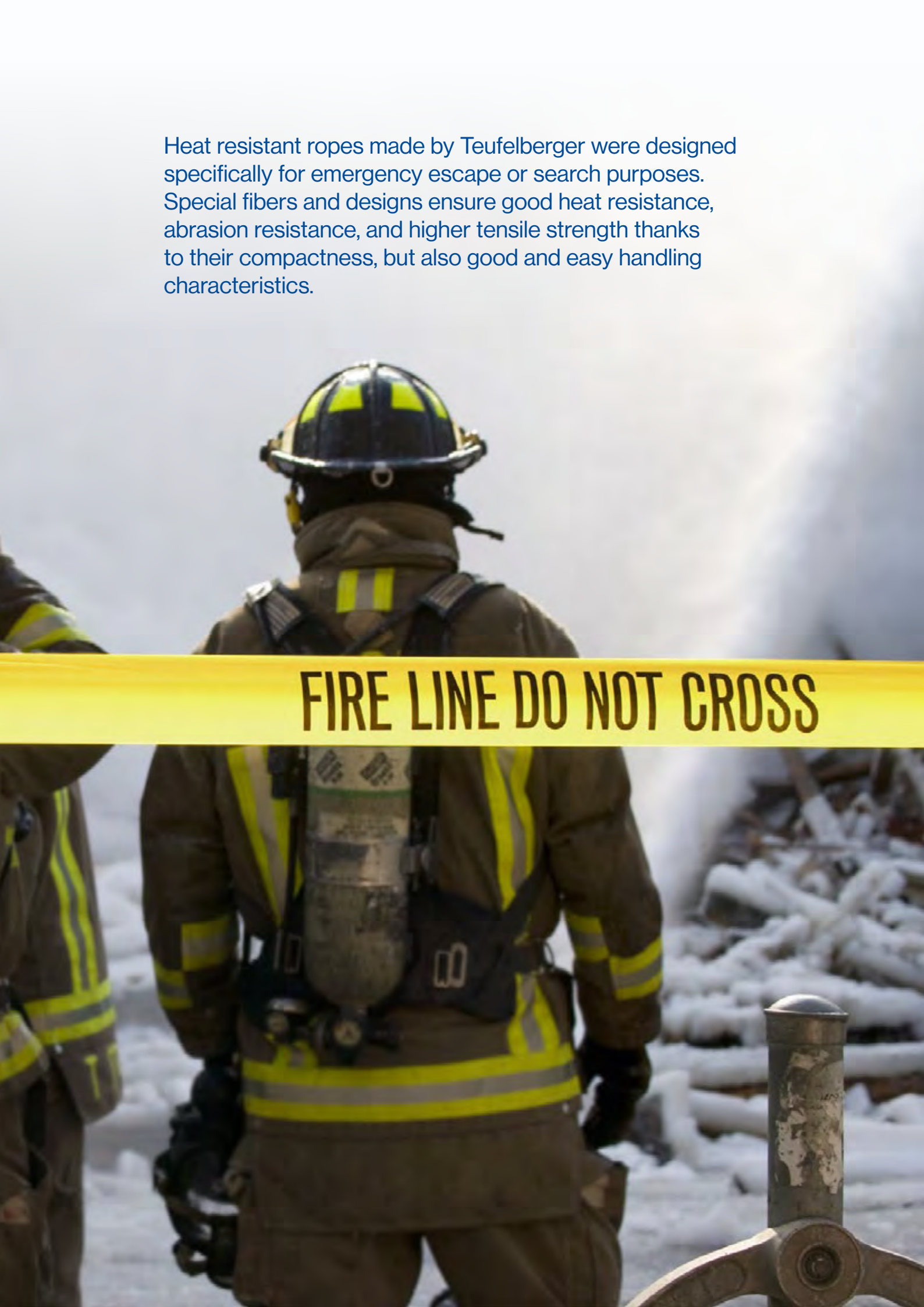
9.0mm

Yellow

Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
9.0	23/64	43.1	2.90	1,560	3,505

Heat Resistant Ropes

Heat resistant ropes made by Teufelberger were designed specifically for emergency escape or search purposes. Special fibers and designs ensure good heat resistance, abrasion resistance, and higher tensile strength thanks to their compactness, but also good and easy handling characteristics.



Aramid Escape

MADE IN

Aramid Escape Line was designed in collaboration with science and safety officers from the country's largest fire departments and the world's leading fiber manufacturers, to improve the safety of firefighters – especially those working in tall buildings. Technora® is a perfect fiber for a fire escape rope for its high decomposition point (500°C / 900°F) and durability, an important consideration in bailout situations where sharp glass or rough exterior building materials threaten the integrity of the escape rope. The supple product packs tightly into a compact bag which can be worn on a belt and deployed instantly if necessary.

Features

- Especially designed for firefighters
- Packs tightly into a compact bag
- High decomposition point and durability due to Technora® fiber

Specifications

Core: Technora®
Cover: Technora®
Standard: NFPA 2500 (1983)
Braid: 20

Limited UV resistance

This product is not CE marked per PPE Regulation - not allowed for PPE use in EU

Ø		Weight		Min. breaking strength Free length		Cover
mm	inch	g/m	lbs/100'	daN	lbf	%
7.5	9/32	46.1	3.10	3,240	7,280	50.3

NFPA test results

Ø		Elongation			Approved class
mm	inch	at 1.35 kN (%)	at 2.7 kN (%)	at 4.4 kN (%)	
7.5	9/32	0.8	1.1	1.4	Escape rope

Yellowstone

MADE IN

Teufelberger's Yellowstone has a thick Technora® sheath and a Safety Blue core made of high tenacity nylon. Yellowstone has little to no stretch and is highly cut and heat resistant. It is perfect for rappelling in high heat situations or over sharp edges and has therefore even been used for rapelling into vulcanos. The Safety Blue nylon core eliminates the bumpiness and "knot memory" that is common to other Technora® ropes. Additionally, it shows easily through any damage to the sheath.

Features

- High decomposition point (up to 500°C)
- High firmness and increased resistance to cutting and abrasion

Specifications

Core: Nylon
Cover: Technora®
Standard: NFPA 2500 (1983)
Braid: 16

Limited UV resistance

This product is not CE marked per PPE Regulation - not allowed for PPE use in EU

Ø		Weight		Min. breaking strength Free length		Cover
mm	inch	g/m	lbs/100'	daN	lbf	%
11.0	7/16	91.2	6.13	3,440	7,730	72.0
13.0	1/2	98.9	6.65	3,920	8,810	79.0

NFPA test results

Ø		Elongation			Approved class
mm	inch	at 1.35 kN (%)	at 2.7 kN (%)	at 4.4 kN (%)	
11,0	7/16	3.6	6.0	8.3	Technical Use
13,0	1/2	2.8	4.8	6.4	Technical Use

Vulcanus

MADE IN

Vulcanus is certified according to EN 1891 A, designed as a heat-resistant rope and comes with an aramid cover. Contrary to polyester and nylon, aramids are highly heat resistant. What is more, these fibers exhibit excellent strength and slight elongation at break. Vulcanus results in a rope which features increased resistance to cutting and abrasion. It is well suited as a work rope or work positioning rope for work activities near sources of heat and the probability that it gets in contact with sharp edges. In view of its heat resistance, using it for several fast abseiling procedures in rapid succession is not a problem. Hence, it is also well suited for special intervention units, emergency response organizations, and for use in rescue operations.

Features

- Fully compliant to EN 1891 A
- High decomposition point of the cover (up to 500°C)
- High firmness and increased resistance to cutting and abrasion

All diameters
Tan

Specifications

Core: Nylon
Cover: Technora®
Standard: EN 1891 A
Braid: 32

Limited UV resistance

CE test results per EN 1891

Ø		Weight		Shrinkage	Elongation 50-150 kg	Min. breaking strength Free length		With figure 8 knot		Cover
mm	inch	g/m	lbs/100'	%	%	daN	lbf	daN	lbf	%
9.0	7/8	61,5	4,13	3.0	3.0	2,100	4,720	1,400	3,145	50.0
10.5	13/32	75.0	4.98	3.0	2.5	3,000	6,745	1,800	4,040	36.0

T-12

MADE IN

T-12 is a 12-strand single braid of 100% Technora®. T-12 is characterized by a high breaking force, a very low elongation, little creep, and excellent heat resistance. A special urethane coating improves the abrasion resistance of T-12.

Features

- Very high breaking force
- Very low elongation
- Very high melting point
- Urethane coating to improve abrasion strength, and color coding
- Spliceable

Specifications

Material: Technora®

Braid: 12

Limited UV resistance

This product is not CE marked per PPE Regulation - not allowed for PPE use in EU

All diameters

Black Tan

Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
3.0	1/8	8.8	0.59	785	1,770
5.0	3/16	17.7	1.19	1,735	3,900
6.0	1/4	31.2	2.10	3,290	7,400
8.0	5/16	46.1	3.10	4,800	10,800
10.0	3/8	64.0	4.30	6,470	14,550
12.0	1/2	119.0	8.00	13,455	30,250

Tech Line

MADE IN

Tech line is the European equivalent to US-made T-12 ropes. This European version also offers high breaking strength, very low elongation, little creep and excellent heat resistant. The rope is especially suited for escape sets.

Features

- Very high breaking strength
- Excellent heat resistance
- Very low elongation

Specifications

Material: Technora®

Braid: 12

Limited UV resistance

All diameters

Black Tan

Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
5.5	1/4	20,5	1,39	1,900	4,275
7.5	5/16	31,5	2,14	2,300	5,175

Accessory Cords

Accessory cords that can be used as slings, anchors and for tying up gear complement our product portfolio.

Sirius Accessory Cord

MADE IN

The Sirius Accessory Cord is the classic prusik cord. Its combination of good knot-ability and flexibility ensures supreme ease of handling.

Features

- High-grade polyester
- High-twist 32-strand mantle braid
- Slip-proof, dirt-resistant, abrasion-resistant

Specifications

Core: Polyester
Cover: Polyester
Standard: EN 564 (8mm), ANSI Z133 (10mm)
Braid: 32

8–10mm

Black/Red 

Black/Green 

Green/Grey 

Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
8.0	5/16	50.0	3.36	1,440	3,235
10.0	3/8	71.0	4.77	2,400	5,395

Nodus

MADE IN

The Nodus is made of high-grade polyester and is used as a prusik sling and for universal applications. The high-twist 32-strand mantle braid makes the accessory cord immune to dirt and provides for ergonomic handling and high abrasion resistance. The Nodus distinguishes itself by very good knot-ability. High-quality manufacturing provides for high strength and a low danger of breaking.

Features

- High-grade polyester
- High-twist 32-strand mantle braid
- Slip-proof, dirt-resistant, abrasion-resistant

Specifications

Core: Polyester
Cover: Polyester
Standard: EN 564
Braid: 32

6mm

Yellow/Black/White 

Black 

Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
6.0	1/4	26.5	1.78	940	2,110

TPT Reep Cord

MADE IN

The TPT reep cord is a classic prusik and accessory cord based on the well-known Sirius construction. In addition to its good knot-ability and flexibility, the TPT cord also features the unique TPT cover technology. The tight braid makes the cover ultra-smooth and ensures supreme ease of handling. This 8mm accessory cord is fully certified to EN 564.

Features

- High-grade polyester
- Twill Pattern Technology (TPT)
- Ultra smooth cover
- Dirt-resistant, abrasion resistant

Specifications

Core: Polyester
Cover: Polyester
Standard: EN 564 (8mm)
Braid: 32

8mm
Black/Blue

Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
8.0	5/16	51.7	3.50	1,440	3,240

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

This product is not CE marked per PPE Regulation - not allowed for PPE use in EU

5mm
Green

Yellow

6mm
Red

Light Blue

7mm
Gold

Teal

8mm
Burgundy

Green

9mm
Blue

Yellow

Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
5.0	1/7	18.9	1.20	500	1,100
6.0	1/4	25.3	1.70	780	1,750
7.0	9/32	28.6	1.92	870	1,955
8.0	5/16	40.2	2.70	1,380	3,100
9.0	7/20	52.1	3.50	1,780	4,000

Nylon Accessory Cord

MADE IN

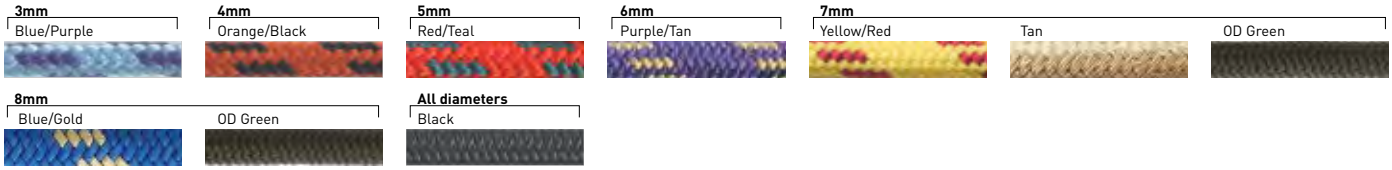
Our Nylon Accessory Cords feature a kernmantle construction designed and engineered with the same attention to detail as our dynamic climbing ropes. Nylon Accessory Cord is a perfect multi-purpose line for stringing accessories, keeping personal items off the ground, tie-down ropes, or as a decorative accessory for packs or other gear.

Features

- Perfect for balancing anchors and creating self-equalizers
- Perfect multi-purpose line for stringing accessories
- Great for tie-downs
- Perfect way to keep personal items off the ground

Specifications

Core: Nylon
Cover: Nylon
Standard: EN 564 (7mm), UIAA 102 (7mm)
Braid: 12



Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
3.0	1/8	6.0	0.40	165	380
4.0	5/32	10.4	0.70	205	460
5.0	3/16	18.9	1.27	495	1,120
6.0	1/4	25.3	1.70	775	1,750
7.0	9/32	27.6	1.86	1,090	2,450
8.0	5/16	40.2	2.70	1,375	3,100

Polyester Accessory Cord

MADE IN

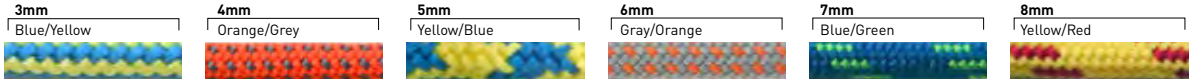
Our Polyester Accessory Cord offers interesting features for various purposes. Polyester resists water, has less stretch and greater UV resistance than nylon. In addition it is available in super vibrant colors, is more durable and its lower stretch offers more abraison resistance. The Polyester Accessory Cord carries UIAA 102 and EN 564 certification.

Features

- Resists water
- Less stretch
- UV resistant

Specifications

Core: Polyester
Cover: Polyester
Standard: EN 564 (4-8mm), UIAA 102
Braid: 24



Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
3.0	1/8	6.7	0.45	130	300
4.0	5/32	12.2	0.83	350	785
5.0	3/16	19.0	1.28	510	1,145
6.0	1/4	27.6	1.79	780	1,750
7.0	9/32	34.9	2.35	990	2,225
8.0	5/16	45.5	3.06	1,360	3,055

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.

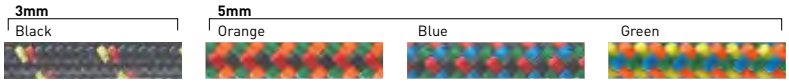
Features

- Exceptionally strong
- Abrasion resistant
- Perfect for cordelette

Specifications

Core: Technora®
Cover: Polyester
Braid: 24

This product is not CE marked per PPE Regulation - not allowed for PPE use in EU



Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
3.0	⅛	11.3	0.76	1,335	3,000
5.0	3/16	23.4	1.57	2,090	4,700

© Tom Nickel

Ocean Vectran®

MADE IN

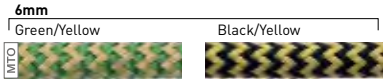
The Ocean Vectran® rope has long become indispensable in the field of hitchcords. Composed of a polyester/aramid sheath, which is also used in the Ocean Polyester, makes the rope highly abrasion resistant, grippy and heat resistant. The load-bearing core of this rope is made of a high-strength Vectran® and allows for very high breaking loads, with a diameter of only 6mm.

Features

- Highly abrasion resistant
- Grippy
- Heat resistant

Specifications

Core: Vectran®
Cover: Polyester / Aramid
Standard: EN 564
Braid: 24



Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
6.0	¼	32.5	2.24	2,200	4,945

Ocean Polyester

MADE IN

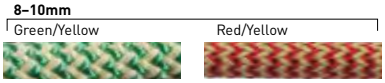
Ocean Polyester is our response to the high demands of hitch cords. Composed of a polyester/aramid sheath and a polyester core, its construction makes the rope highly abrasion resistant, grippy, and heat resistant. Ocean Polyester is a great value for the money.

Features

- Highly abrasion resistant
- Grippy
- Heat resistant

Specifications

Core: Polyester
Cover: Polyester / Aramid
Standard: EN 564 (8mm)
ANSI Z133 (10mm)
Braid: 32



Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
8.0	5/16	50.1	3.37	2,200	4,945
10.0	⅜	72.1	4.75	3,300	7,415

Tec Reep Cord

MADE IN

Tec Reep Cord is an accessory cord with high-tech materials. The core is made of coated UHMWPE which give the cord high strength and very low elongation. The core is covered by a blended Technora®/Dyneema®/XLF sheath. This adds great abrasion resistance and good grip. In addition, Tec Reep Cord floats and can therefore also be used in swift water rescue szenarios. The cord is certified as an accessory cord according to EN 564.

Features

- Very strong UHMWPE core
- Low elongation
- Great abrasion resistance
- Good grip

Specifications

Core: UHMWPE
Cover: Technora® / Dyneema® / XLF
Standard: EN 564
Braid: 32

8mm

Red

Yellow

Blue

Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
8.0	5/16	38.0	2.58	3,000	6,750

Resc Tech

MADE IN

Designed to be a lightweight and durable rescue rope, the Resc Tech aids tactical operations in rough, wet terrain. Thanks to its UHMWPE/Polypropylene blended core, the rope does not take in water. The Technora® in the sheath caters for high abrasion and heat resistance. This rope allows for operations to be quick without compromising strength and ensuring safety in even the most challenging situations

Features

- Lightweight rescue rope
- Highly durable
- Abrasion resistant
- Perfect for rough terrain

Specifications

Core: UHMWPE / Polypropylene
Cover: Technora® / Polyester
Standard: EN 564
Braid: 32

8mm

Tan/Black/Olive

Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
8.0	5/16	41.0	2.80	2,900	6,525


Teufelberger
Teufelberger
AMBASSADOR LINE

Bags & Ready made

Besides high performance ropes, Teufelberger also offers ready made products like rope and gear bags as well as pre-configured sets for various applications in working at height.

Rope Bags

ropeBUCKET / kitBAG

MADE IN

The ropeBUCKETs and kitBAGs are the robust transport and storage bags for safety & rescue products from Teufelberger. They keep everything in perfect order and within reach. As a set, the bags can be stacked conveniently inside one another and thus take up little storage space. A convenient system of perforations allows users to arrange their equipment systematically according to their own preferences. The 80 and 50 liter ropeBUCKET come with shoulder straps and a comfort handle that make it very easy to carry.

Features

- Extremely robust and stable
- Breathable
- Permeable to moisture and water
- Provided with a system of perforations for the easy and fast attachment of frequently needed work equipment
- Long-living, with replaceable rope parts

Specifications

Sizes: 80, 50, 30, 25 Liter

Replaceable parts for all versions available

Do not use for lifting loads and people!

Capacity	**Dimensions** [h x w]	**Bottom diameter**		**Weight**		**Rated load**
Liter	cm	cm	inch	kg	lbs	kg
80	68 x 42	320	13	4.50	9.90	100
50	51 x 39	280	11	3.50	7.70	100
30	31 x 39	280	11	2.20	4.90	100
25	31 x 35	240	9	2,10	4.60	100

Extremely robust

Made of the proven material of the treeMOTION harness

Carabiners for multiple-strap carrying system (included with deliveries of ropeBUCKET 80l and 50l)

Multiple-strap carrying system for longer distances (included with deliveries of ropeBUCKET 80l and 50l)

Long life thanks to replaceable wearing parts

Water permeable bottom

Single shoulder strap for easier transport (included with deliveries of ropeBUCKET 80l and 50l)

Perforation system for the fast and easy attachment of work equipment

Handle for enhanced lifting comfort (ropeBUCKET 80l and 50l)

Breathable thanks to a system of perforations

Solid design

Bottom edge protectors for hands and back

Lazy Mule / Mighty Mule

The Lazy Mule and Mighty Mule bags are the perfect beasts of burden. With their 80L capacity they will be your best friend for working and travelling. Thanks to their flexible and smart construction you can personalize them with accessories of your liking. The bags are made of waterproof material so that the equipment stays dry. For both bags, there are a hip strap and shoulder straps available for easier transport. In addition, the lazy mule comes with wheels, so you don't even have to carry it.

Features

- Rugged - smart - flexible
- 80 liter capacity
- Hip and shoulder straps as accessories
- Lazy Mule has wheels for easy travelling

Specifications

Color:	Black
Capacity:	80 Liter
Height:	65 cm
Material:	Special waterproof 600D/ PVC Waterproof 600D/PU
	210D/420D polyester lining

Do not use for lifting loads and people!

Bucket Mule

The Bucket Mule has a capacity of 30 liter and offers enough space to carry all the ropes you will need for your workday. It is strong, sturdy and though, like a real mule and thanks to its waterproof material, it keeps your rope dry and clean. The Bucket Mule also fits perfectly into our LAZY and MIGHTY MULE 80l and keeps them tidy. It is your perfect companion for your daily challenges.

Features

- Tidy – fitting - supporting
- 30 liter capacity
- Sturdy bucket for your workday

Specifications

Color:	Black
Capacity:	30 Liter
Height:	30 cm
Material:	Waterproof 600D/PVC

Gear Mule

The Gear Mule bag is your little helper in your everyday work. It lets you store the most important tools at one place and quickly grab them when you need them. A variety of gear loops and clips, as well as zip pockets keep your equipment in the right place. The Gear Bag seamlessly clips onto our LAZY and MIGHTY MULE 80l and makes them even more flexible.

Features

- Fast – clean - equipped
- 15 liter capacity
- Attachable to Lazy Mule and Mighty Mule

Specifications

Color: Black
Capacity: 15 Liter
Size: L= 41 cm, W= 27 cm, H= 15 cm
Material: Waterproof 600D/PVC

Ready made

Roof Kit

MADE IN

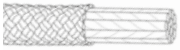
Our roofing kits, made of KM III, are perfect for roofers, solar installers or anyone working at height using a lanyard and fall arrest device. The units come pre-sewn with a thimble, a 23kN rated swivel hook, a chafe sleeve and a fixed length of KM III rope in 11mm (7/16 inch).

Features

- High performance KM III rope
- Pre-sewn with thimble and swivel hook
- Ready-to-use
- Available length: 25', 30', 50', 200', 400'

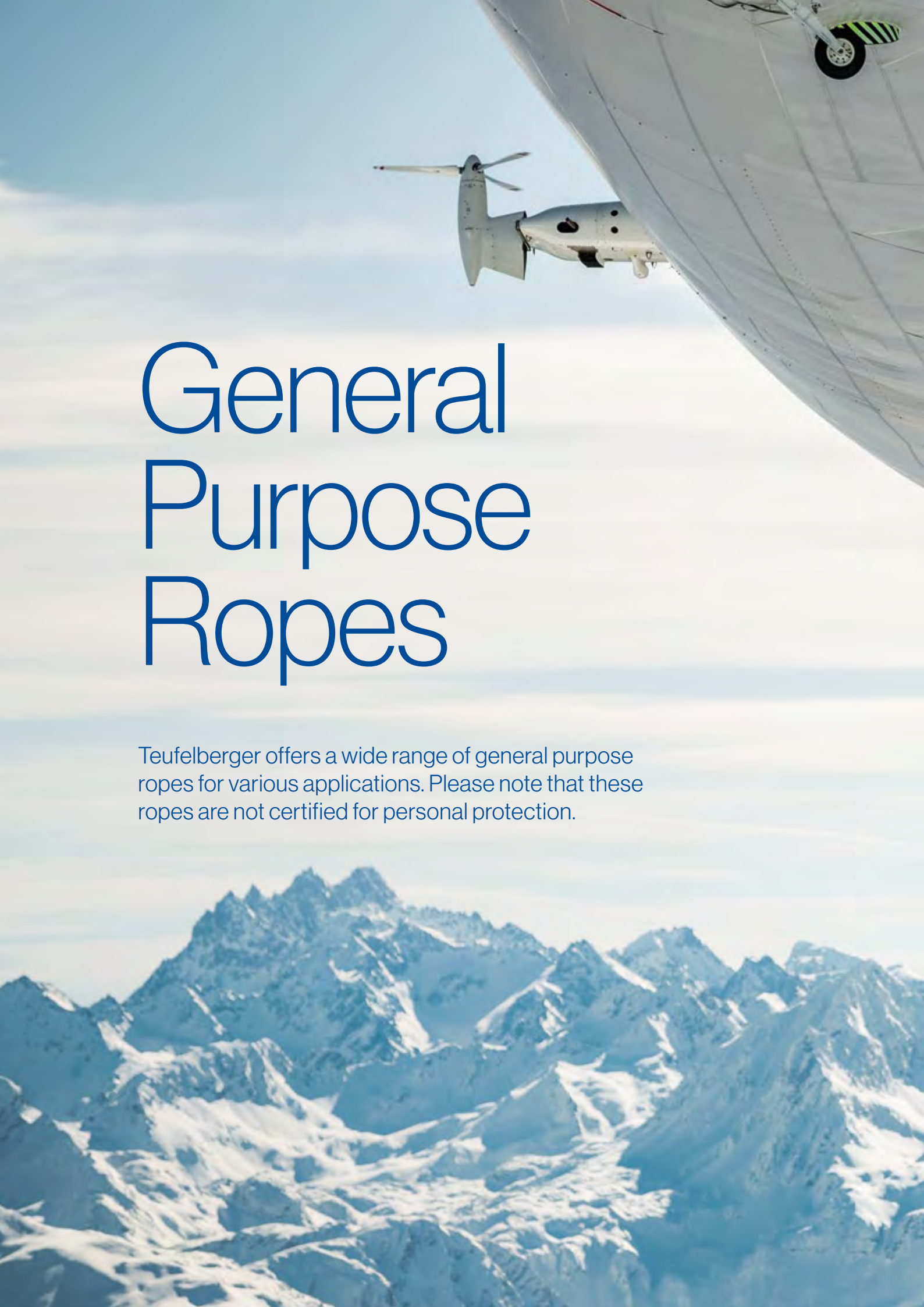
Specifications

Core: Nylon
Cover: Polyester
Standard: ANSI Z359 and Z133
EN 1891 A
NFPA 2500 (1983)
Braid: 32



Ø		**Weight**		**Min. breaking strength** Free length	
mm	inch	g/m	lbs/100'	daN	lbs
11.0	7/16	91.0	6.12	3,330	7,485


Tatelberger
Tatelberger



General Purpose Ropes

Teufelberger offers a wide range of general purpose ropes for various applications. Please note that these ropes are not certified for personal protection.

Orion 500

MADE IN

The Polyester "Jack of all Trades". Orion 500 shines in stylish colors! Its 16-plait polyester cover and its 8-plait core ensure good grip and make this rope easy to splice.

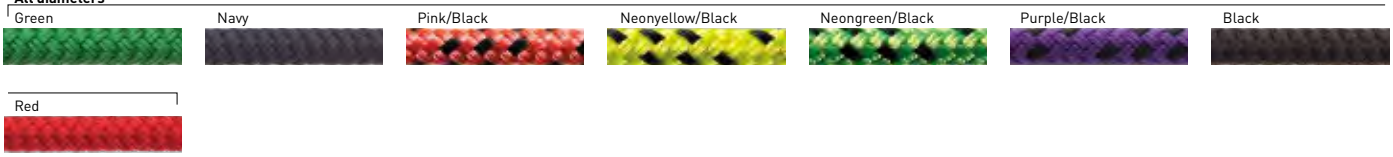
Features

- Allround rope
- Good grip
- Easy to splice

Specifications

Core: Polyester
Cover: Polyester
Braid: 16

All diameters



Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
2.0	1/16	3.0	0.20	70	155
3.0	1/8	6.0	0.40	150	335
4.0	5/32	12.0	0.81	400	895
5.0	3/16	19.0	1.28	600	1,345
6.0	1/4	24.0	1.61	800	1,785
8.0	5/16	41.0	2.76	1,400	3,145
10.0	3/8	70.0	4.70	2,000	4,495
12.0	1/2	89.0	5.98	2,500	5,620

Sirius Bull Rope

MADE IN

For years now, Sirius Bull Rope has been a must-have for arborists. The transverse stripes in the cover pattern indicate when the rope is overloaded. The various diameter versions can be distinguished easily via differently colored tracer threads. Sirius Bull Rope continues to be a highly abrasion resistant and easy to knot rope offering unmatchable value for money.

Features

- Overload indication
- High abrasion-resistant
- Easy to knot

Specifications

Core: Polyester
Cover: Polyester
Standard: Machinery directive 2006/42/EC as amended for arborist rigging
Braid: 32

Ø		Weight		Min. breaking strength Free length		Spliced	
mm	inch	g/m	lbs/100'	daN	lbf	daN	lbf
12.0	1/2	103.0	6.92	3,500	7,860	3.000	6.740
14.0	9/16	151.0	10.15	5,200	11,680	4.420	9.930
16.0	5/8	185.0	12.43	6,300	14,160	5.350	12.000
18.0	23/32	227.0	15.26	7,700	17,300	6.540	14.700
20.0	25/32	285.0	19.16	8,800	19,780	7.500	16.860

Endura 12®

MADE IN

Endura 12® is manufactured from 100% UHMWPE fiber. The result is a rope that is extremely high strength, very lightweight, and very low stretch. The 12-strand single braid construction is supple, non-rotational, and easily spliced. Endura 12® is ideally suited for wire replacement and where weight is a primary design consideration.

Features

- Excellent strength-to-weight ratio
- Excellent wet/dry strength retention
- Will not absorb water
- Urethane coated for improved abrasion resistance and color coding
- Spliceable

Specifications

Material: UHMWPE

Braid: 12

All diameters

Blue

Red

White

Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
2.0	3/32	2.2	0.15	400	900
3.0	1/8	6.7	0.50	1,020	2,300
4.0	5/32	9.2	0.62	1,600	3,600
5.0	3/16	17.7	1.19	1,980	4,450
6.0	1/4	25.3	1.70	3,535	7,950
8.0	5/16	34.2	2.30	5,915	13,300
10.0	3/8	50.6	3.40	7,470	16,800
11.0	7/16	59.5	4.00	9,875	22,200
12.0	1/2	87.8	5.90	14,275	32,100
14.0	9/16	102.7	6.90	17,570	39,500
16.0	5/8	135.4	9.10	22,595	50,800
18.0	3/4	196.4	13.20	25,800	58,000

Sta-Set®

MADE IN

The industry leading polyester double braid. Low stretch and durable line ideal for all applications requiring control lines, positioning, lifting, or lowering.

Features

- Low stretch
- Strong
- Flexible
- Durable
- Long wearing

Specifications

Core: Polyester
Cover: Polyester
Braid: 24

All diameters

White 
Green Fleck 
Blue Fleck 
Red Fleck 
Green 
Red 
Blue 
Black 

Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
5.0	3/16	16.4	1.1	530	1,200
6.0	1/4	29.8	2.0	975	2,200
8.0	5/16	46.1	3.1	1,555	3,500
10.0	3/8	64.0	4.3	1,775	4,000
11.0	7/16	89.3	6.0	2,310	5,200
12.0	1/2	116.0	7.8	3,935	8,850
14.0	9/16	150.3	10.1	4,225	9,500
16.0	5/8	177.1	11.9	5,780	13,000
19.0	3/4	252.9	17.0	9,785	22,000
25.0	1	482.0	32.4	14,855	33,400

Safety Pro-12

MADE IN

Safety Pro-12 has a unique design that results in a rope that is easy to knot yet resists flattening which is common on other 12-strand climbing ropes. The difference is in the construction. Each of the twelve strands in Safety Pro-12 consists of a core of lightweight polyolefin surrounded by tough, durable polyester. The twelve strands are then braided around a bundle of our blue nylon core yarns. The result is a hybrid 12-strand kernmantle design that strikes the perfect balance between firm and supple. Safety Pro-12 has minimal bounce so there is little wasted energy when climbing. Its high strength and outstanding abrasion resistance also make Safety Pro-12 a great rigging rope.

Features

- Polyester & polyolefin strands surrounding a core of tightly bundled nylon
- High twist levels in the strands increase abrasion
- Resistance and lengthens service life
- Stays firm and round, yet is supple for excellent knot holding properties
- Low elongation
- Very little bounce

Specifications

Core: Nylon
Cover: Polyester / Polyoefin
Braid: 12

12mm

White 

Ø		Weight		Min. breaking strength Free length	
mm	inch	g/m	lbs/100'	daN	lbf
12.0	1/2	113.1	7.60	3,000	6,750

Technical Information

Fiber structures

Monofilaments

The yarns consist of one single element of a relatively large diameter and are braided into a rope.

Characteristics:

- Very good abrasion resistance
- Low dirt take-up
- Stiff structure

Textured fibers

A certain degree of disorder is caused in a formerly straight bundle of synthetic fibers to generate characteristics which are usually seen only on natural fibers.

Characteristics:

- Good grip
- High elasticity
- Traditional look and feel

Multifilaments

A bundle of thin fibers processed into twines which then are braided into a rope. The majority of fiber ropes follow this basic design.

Characteristics:

- High flexibility
- High tensile strength

Staple fiber

This type of material consists of spun pieces of short filaments instead of a bundle of long ones.

Characteristics:

- Excellent grip
- Soft handling

Raw Materials

PBO (Polybenzoxazoles, Crystal Polymer)

The generic fiber PBO refers to Zylon® which is a high performance fiber with the highest strength and lowest stretch of any commercially available fiber. It is extremely expensive and experiences progressive strength loss when exposed to UV-rays.

UHMWPE (Ultra High Molecular Weight Polyethylene)

UHMWPE (also known as UHMPE or HMPE Dyneema®) is an extremely high strength fiber of ultra high molecular polyethylene. For the same weight it has 15 times the tensile strength of steel. Rope made from this type of fiber shows very low elongation and high tensile strength. If very high loads are being applied for a long period of time, UHMWPE fiber tends to creep. The rope then is irreversibly extending its length. At the same time, these robust fibers show excellent performance in terms of abrasion resistance and good UV-resistance.

Aramid (Aromatic Nylon)

Aramid fibers have an extremely high breaking load and show almost no stretch. On the other hand they are sensitive to UV-rays. It is mainly used in places where high temperature resistance is essential, for example on winches, in hot air balloon ropes, or for any other application where heat exposure needs to be considered.

LCP (Liquid Crystal Polymer)

LCP (known as Vectran®, a brand name of Kuraray), combines extremely low elongation with extremely high breaking loads. However, its UV-resistance is not very high. It is heat resistant and not very sensitive to bending over sharp edges. The big advantage of Vectran® is, however, that compared to UHMWPE it does not creep.

PES (Polyester)

Static ropes made of polyester fibers are characterized by good breaking loads and low stretch. This material offers both chemical and physical advantages such as UV resistance salt water resistance, and good abrasion strength in both dry and wet conditions. However, the dynamic energy absorption capacity is much lower than that of nylon ropes and therefore only to a limited extent suitable for types of use involving high impact forces.

NY (Nylon) / PA (Polyamide)

Nylon has a high breaking load as well as high elongation. Preferably, it is used in products that are required to absorb shock loads. The abrasion resistance of nylon is better in wet conditions than in dry conditions because it tends to take up water (up to 7%). Kept in wet conditions for too long, the material can become stiff. Another disadvantage compared to polyester is the lower resistance to UV-radiation in sunlight.

PP (Polypropylene)

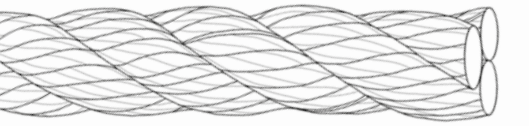
Due to its limited technical characteristics, polypropylene is only used for simple applications. PP is very light and even buoyant in water. Its abrasion resistance and temperature resistance are lower than those of most other fibers.

Technical properties of available raw materials

	PBO Polybenzoxazoles, Crystal Polymer	**UHMWPE** Ultra High Molecular Weight Polyethylene	**Aramid** Aromatic Nylon	**LCP** Liquid Crystal Polymer	**PES** Polyester	**PA** Polyamide	**PP** Polypropylene
Typical Marketing Term	Zylon®	Dyneema®	Technora®/ Twaron®/ Kevlar®	Vectran®	PES	Nylon	PP
Strength (daN/mm²)	574	345	300	300	110	81	52
Specific weight (g/cm³)	1.54	0.97	1.40	1.41	1.40	1.14	0.91
Water intake (%)	0.5 – 2.0	0	2	<0.1	<0.5	4 – 6	0
UV-resistance	low	good	limited	limited	very well	average	good
Elongation (%)	2.5 – 3.5	3.5	3.5	3.5	10 – 16	20 – 25	18 – 22
Abrasion resistance (dry)	good	very good	very good	very good	good	very good	sufficient
Abrasion resistance (wet)	good	very good	very good	very good	very good	good	good
Creep	almost not measurable	at high loads	almost not measurable	not measurable	almost not measurable	low	at high loads
Melting temp.(°C)	charred at 650	140	charred at 500	330	260	230	165

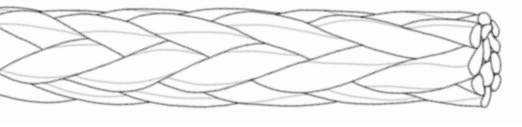
Rope Constructions

At Teufelberger we go the extra mile to get the maximum performance out of each of our ropes. Whatever you expect from your rope, we have the right product for you.



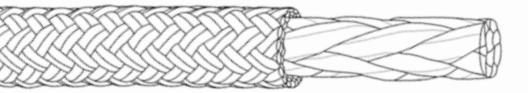
3-Strand

A special stabilization process and a solid, balanced construction produce a durable, long-lasting, flexible and easy-to-handle rope that won't harden with age.



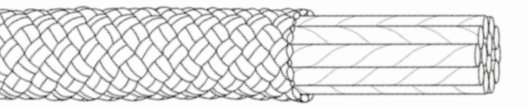
Single braid

A supple construction that absorbs twist and does not kink.
This simple construction provides great ease of splicing.



Double braid

A braided core inside a braided cover produces an easy-to-handle rope that is strong and very durable. Since the rope consists of two individual parts, it is possible to combine different fibers to create ropes merging specific characteristics of different raw materials. For example, a high tensile core with a heat resistant cover.



Kernmantle

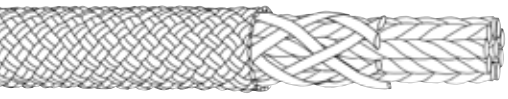
Features a 32-carrier, 40-carrier or 48-carrier sheath that protects the core from grit and particle absorption. The sheath is designed to generate some grab and friction for rappelling and lowering operations. The core is comprised of bundles of fiber that are loosely twisted. These bundles help to keep the rope firm yet flexible.

PLATINUM®

Fiber ropes with the Platinum® technology, Teufelberger's innovative braiding technology, feature a permanent, mechanical connection between the core and the cover. The parallel cores are also connected to one another. This interconnection of the independent elements of a rope results in a compact rope with good handling and higher safety, especially when used in harsh environments.

Bi-Pattern

Bi-Pattern ropes change pattern at their midpoint to permanently mark the center of the rope in a way that is immediately visible to the climber. This change in pattern is generated by repositioning the bobbins (spools) during the braiding process. As no fibers are cut, tied or spliced and no pigments or other chemicals are applied to mark the middle points, Bi-Patterns are the safest form of mid-point marking available for climbing ropes.

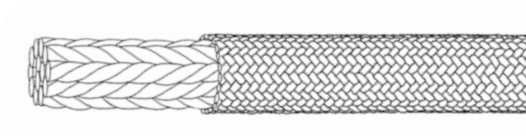


PROTECT

The unique and patented PROTECT technology includes a revolutionary aramid intermediate sheath to provide unmatched resistance to abrasion and wear.

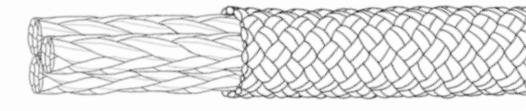
TPT Technology

Twill Pattern Technology (TPT) is a special cover design resulting in a twill pattern (one over one) or weave. This design results in a cover/sheath that has a smaller profile in cross-section than plain pattern sheaths – the more traditional-looking climbing rope cover/sheath. For the climber, this means improved abrasion resistance over abrasive surfaces due to the smaller profile, as well as significantly reduced drag in carabiners and mechanical devices.



Fides III Technology

This type of rope structure is characterized by a 32-plait braided cover and three braided cores. Its design makes this rope particularly well suited for use around sheaves. Furthermore, it provides above average breaking forces in combination with various types of hardware.



Terminations

Splice

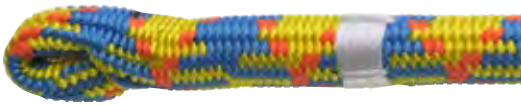
A splice is obtainable for all single and double braids.

Thimble

Spliced eyes with thimbles are the most general kind of terminations.
Extremely versatile and robust, thimbles are the first choice for numerous applications.

spLIFE

spLIFE is a slim, flexible and light end termination that allows to fit the rope end easily through gear and devices. The spLIFE termination is offered by Teufelberger and a variety of accredited partners.

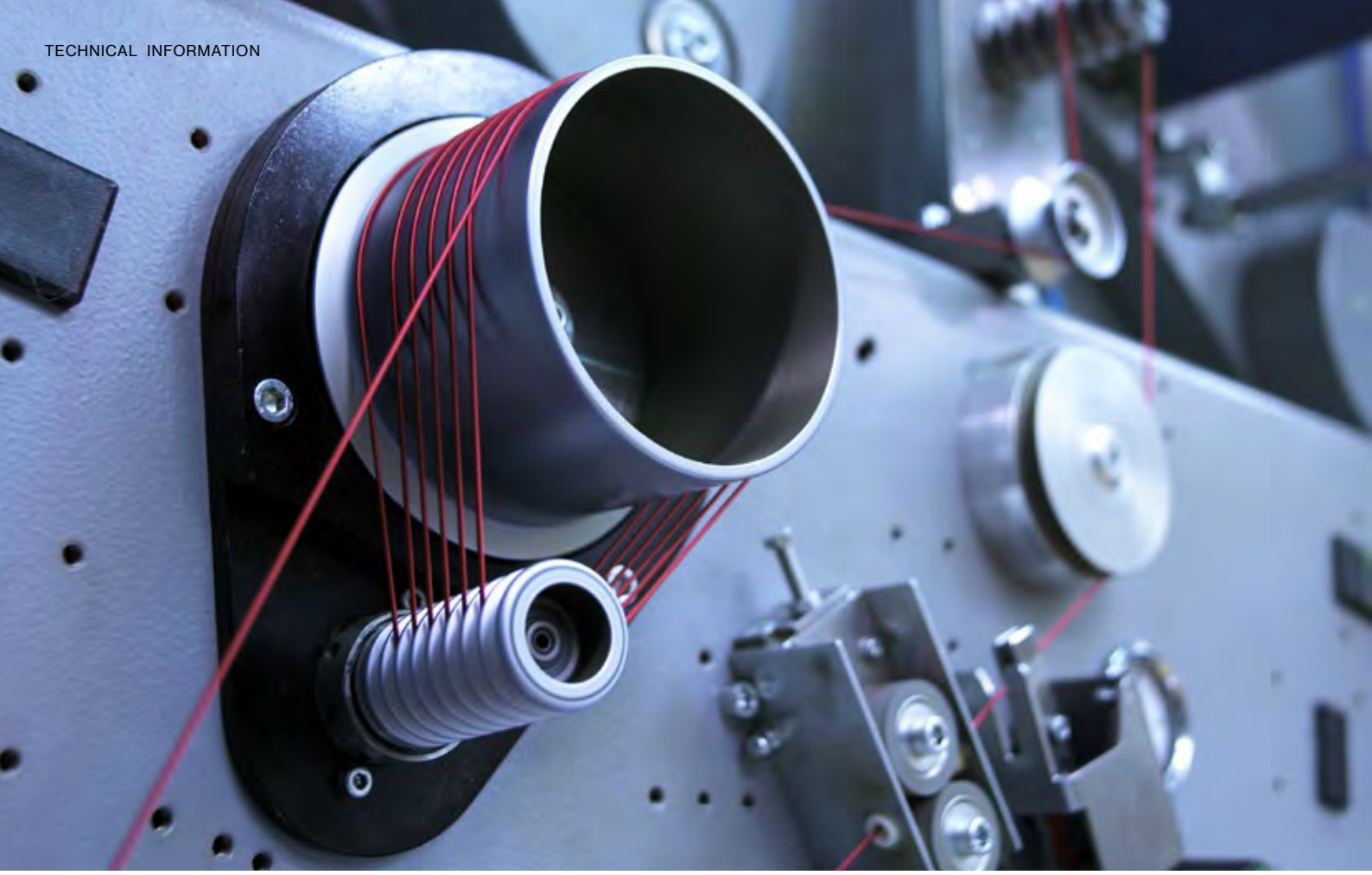


Stitched terminations

Teufelberger cuts the rope to the required length and makes stitched terminations meeting individual requirements. By building on decades of sewing experience and a great wealth of expertise in this field, we succeed in maintaining breaking forces at a very high level.

Tapered end

Rope and cord which is provided as a component for various pieces of machinery or appliances is often required to be prepared for a final assembly process. Tapered ends are important to facilitate easy mounting procedures.



Coatings and special treatments

Technique

S.Y.I.S. – Single Yarn Impregnation System

Before braiding the rope, all single yarns are being dipped and fixed. Added color pigments allow to apply any desired color.

Rope Coating

After braiding the rope, the complete construction is dipped in a calibrated procedure. Again, a final fixing step will be carried out to ensure that applied substances remain attached to the rope's fibers as long as possible.

Coating materials

We use a huge variety of compositions to influence specific rope properties in a carefully controlled manner. For this purpose, we rely on the following substances:

- Polyurethane
- Silicones
- Wax
- Acrylates
- PTFE

Rope properties

These are some of the properties that we are able to improve with coatings and special treatments:

- High yarn on yarn abrasion resistance
- High yarn on metal abrasion resistance
- UV-resistance
- Water repellence
- Mold resistance
- Keeping color
- Traction
- Fire retardance
- Improved CBOS fatigue (cyclic bend-over-sheaves)

Endura Standard DRY and 2x-DRY

Endura DRY is a multi-stage application process for MAXIM® climbing ropes to protect them against water. For standard (STD) dry ropes, the coating is applied to the individual core yarns prior to the braiding process. All MAXIM® ropes have dry-treated cores surrounded by a durable, protective nylon sheath to lock in the water-blocking power of the coating. Select models of MAXIM® ropes are 2x-DRY - they have dry treated core and cover. These ropes are treated a second time by submerging the finished rope in our proprietary dry coating. Then the finished product is cured by using an environmentally controlled process, creating a chemical bond between coating and fibers. Endura DRY does more than keeping water out of the rope. The coating also lubricates individual core fibers improving resistance to internal abrasion that can occur beneath the surface.

Rope Care, Safety & Usage

We take great care in manufacturing the highest-quality ropes. A few guidelines about their use will help you increase the service life of the rope and assist you in achieving the best possible performance using our products.

Abrasion and Sharp Edges

Abrasion and sharp edges are a rope's worst enemies. Check all pieces of your equipment prior to use in order to verify that there are no burrs or sharp edges. Following climbs in highly abrasive environments, always check the ropes for wear-induced damage.

Checks and Inspections

Prior to and after any use, verify that the ropes are in a proper functional condition. Any abnormalities must be noted on the inspection card accompanying the product or a rope log. In order to ensure the user's safety, the product must be checked at least once annually by a qualified expert. If there are any doubts about its safety, the product must be retired. For more detailed information, please read the instructions for use accompanying our products.

Cleaning

Dirt can penetrate a rope resulting in abrasion. In the case of slight soiling, wash the rope with clear water. In the case of more severe soiling, clean the rope with lukewarm water using a rope cleaning detergent. Rinse the rope thoroughly and allow it to dry slowly in the shade, not in direct sunlight and not near radiators. In general the use of distilled water is preferred, as upon drying extremely calcareous water causes lime to crystallize inside the rope. When using a washing machine, possible use a front-loading washer; otherwise, wash your rope in a mesh bag or pillowcase to avoid tangling.

Damage and Retiring of Products

Textile products (harnesses, ropes, lanyards) shall generally be retired:

- If straps or seams are damaged
- Upon contact with chemicals, acids, oils, solvents
- Upon exposure to heavy mechanical loads (falls)
- In the event of signs of extreme wear (abrasion, furring)
- In the event of heavy irreversible contamination (grease, oils, bitumen)
- In the event of fusion or signs of melting (after extreme thermal loads)
- Contact and friction heat
- End of permitted maximum service life
- If exceeded fall rating
- Inspect all ropes before every use for signs of wear or damage. Retire any rope that is cut or abraded.

Elimination of Twist

Twist increases the likelihood that a rope will kink and get caught in pieces of equipment. Severe twist can cause the rope's cross-section to become non-round, resulting in higher rear rates and reduced strength. Eliminating twist from a rope improves its handling comfort and prolongs its service life. Therefore, the rope must be uncoiled correctly, laid out straight and dragged while the loose end is allowed to untwist itself freely. Winding it up in figure 8 slings or stowing it in a rope bag prevents the rope from becoming twisted during storage.

Rope Storage and Care

Recommended conditions for proper storage:

- Storage temperature: approx. 68°F / 20°C
- Relative humidity: 65% max.
- No direct exposure to sunlight
- No aggressive chemicals (e.g. acids and alkalis) in the rope's vicinity
- Protected against sharp-edged objects

Service Life

It is clearly not possible to offer a general statement about the product's service life, as such life span depends on various factors, e.g., UV light, type and frequency of use, handling, climatic influences such as snow, environments such as salt, sand, battery acid, etc. The actual useful life depends solely on the condition of the product, which in turn is influenced by various factors (see above). Extreme influences may shorten it to a single use only or to even less if the equipment is damaged prior to its first use (e.g. in transport). Mechanical wear and other influences such as the impact of sunlight will decrease the service life considerably. Bleached or abraded fibers, harness webbing, discoloration, and hardened spots are surefire indicators that the product needs to be retired. In general, the following rule applies: if the user, for whatever reason – however insignificant it may seem – is uncertain whether or not the product meets all the necessary criteria, its use must be discontinued and it must be handed to a qualified expert for testing and inspection. Retire any product that exhibits signs of wear! Following a fall, it is absolutely necessary that the product be replaced!

More Info

For details regarding the service life of the various products, please see the relevant manufacturer's information documents.