

# Kite Lines



# Kite lines enriching the brand for water sports: Robline

TEUFELBERGER the well known producer of Kitelines and Robline the world famous brand for yachting ropes joined forces to create the biggest watersports brand in the market. Freedom, adventure and camaraderie perfectly complement the values Robline as brand stands for.

# Robline



 **WARNING**

Using these products may be dangerous. Only use our products for the purposes they are intended for. Customers must ensure that the persons using these products are familiar with their correct use and the necessary safety precautions. Please bear in mind that any of these products may cause damage or harm when used improperly or subjected to excessive loads.

TEUFELBERGER® and 拖飞宝® are internationally registered trademarks of the TEUFELBERGER Group. Other internationally registered trademarks are: Dyneema® by DSM

# Robline in a nutshell



## Rebellious

– breaking out of familiar patterns, breaking new ground with innovative, pioneering Robline lines. The colours of the Robline brand illustrate and emphasise this spirit.



## Racing

– if you plan on being among the frontrunners in competitions, leave nothing up to chance. With Robline you are sure to enjoy success in your race!



## Rigging

– in the Robline Splice Center we can design your own personalised and exciting equipment with our Rigging Service. The result is a perfectly assembled set of cordage.



## Relationships

– to us, it's not only about water sports, but also about community spirit. Therefore, with Robline, we provide dependable long-term support to young, enthusiastic water sports athletes and ambitious teams in every class.



## Ready

– Robline's hand-spliced Ready-Made-Products ensure your safety, not only in action on the high seas, but also in port.



## Relentless

– the best way to describe us where our customers are concerned. Everything that we do, we do so that you can concentrate on the important things - the wind, the waves, enjoyment and success - and let Robline take care of the rest!



## Responsible

– anybody who, like Robline, mixes with the elite at the top has a responsibility towards society and the environment. With Robline lines, you can rest assured that we will make our contribution together.

# Flying Lines 8-braid



## Tarifa



The Tarifa line is a must for every kiter who is keen on value for money. The 8-braid in combination with Dyneema® SK78 creates a thin line without compromising on safety features as the Dyneema® fiber compensates on breaking load and elongation.

Product name	Ø mm	MBL daN	Spool m	Art no.	
Tarifa FL-340T	1.40	340	1,000	7154629	7154630



## Tarifa minispools

Product name	Ø mm	MBL daN	Spool m	Art no.	
Tarifa FL-340T minispool*	1.40	340	60	7154462	7154464

\*All minispools come in usable packaging consisting of 12 spools, sellable at the POS.



## Garda



The Garda line is for true professionals. The 8-braid with Dyneema® SK99 is advanced in terms of elongation, breaking load and shrinking.

Product name	Ø mm	MBL daN	Spool m	Art no.	
Garda FL-299	1.10	290	1,000	7154621	7154622
Garda FL-389	1.40	380	1,000	7154623	7154624



## Garda minispools

Product name	Ø mm	MBL daN	Spool m	Art no.	
Garda FL-299 minispool*	1.10	290	60	7154446	7154448
Garda FL-389 minispool*	1.40	380	60	7154452	7154450

\*All minispools come in usable packaging consisting of 12 spools, sellable at the POS.



# Flying Lines 12-braid



## Capetown

This is the basic series among the 12-braid lines. Easy to splice but with high durability due to the Dyneema® SK78 fiber.

Product name	Ø mm	MBL daN	Spool m	Art no. red	grey
Capetown FL-400	1.70	400	1,000	7154631	7154632
Capetown FL-500	1.80	500	1,000	7154635	7154636
Capetown FL-610	2.20	610	1,000	7154637	7154638



## Capetown minispools

Product name	Ø mm	MBL daN	Spool m	Art no. red	grey
Capetown FL-400 minispool*	1.70	400	60	7154468	7154466
Capetown FL-500 minispool*	1.80	500	30	7154470	7154472
Capetown FL-610 minispool*	2.20	610	30	7154474	7154476

\*All minispools come in usable packaging consisting of 12 spools, sellable at the POS.



## Maui



Maui lines are the true superstars among the kitenline assortment. Easy to splice due to 12-braid technology, with a high breaking load and low elongation due to the Dyneema® SK99 fiber. In comparison to Dyneema® SK78 products, a smaller diameter at same breaking load is possible without compromising on safety.

Product name	Ø mm	MBL daN	Spool m	Art no. red	grey
Maui FL-389	1.30	380	1,000	7154625	7154626
Maui FL-509	1.70	500	1,000	7154627	7154628



## Maui minispools

Product name	Ø mm	MBL daN	Spool m	Art no. red	grey
Maui FL-389 minispool*	1.30	380	60	7154454	7154456
Maui FL-509 minispool*	1.70	500	30	7154458	7154460

\*All minispools come in usable packaging consisting of 12 spools, sellable at the POS.





# Line Types

## Depower Line

This kind of line needs special braiding and coating technology in order to ensure maximum wear resistance. When it comes to coating technology, Single Yarn Impregnation (SY) can be distinguished from the normal impregnation procedure. With SY every single yarn is separately impregnated and therefore shows better resistance to abrasion. With normal impregnation, a special coating recipe is used.

Product name	Ø mm	MBL daN	Spool m	Art no.	grey-white	darkgrey
DPL-1600SY	4.80	1,600	200	7153582	-	-
DPL-2200	4.70	2,200	200	-	-	7153549



## Leader Line

For this type of line an especially smooth coating was developed in order to avoid injuries in case of an encounter between the bar and the rider. In order to cater to the demands of a broader spectrum of users, a slightly thinner line with lower breaking load for non-professionals was developed as well as one with a higher breaking load to satisfy the standards of a pro-rider.

Product name	Ø mm	MBL daN	Spool m	Art no.	red	grey
OL-500	2.50	500	500	7151278	-	7150472
OL-965	2.70	965	500	7151232	-	7151231



## Safety Line

Depending on the kite bar, safety lines can have different dimensions. Due to the Robline expertise, Ocean 3000 provides every bar safety mechanism place for its own line.

Product name	Ø mm	MBL daN	Spool m	Art no.	red	blue	grey
Ocean 3000	2.00	400	200	7153303	7153304	7153306	-
Ocean 3000	2.50	500	200	7153307	7153308	7153310	-
Ocean 3000	3.00	800	200	7153311	7153312	7153314	-
Ocean 3000	4.00	1,600	200	7153315	7153316	7153318	-
Ocean 3000	5.00	2,300	200	7153319	7153320	7153322	-
Ocean 3000	6.00	3,200	200	7153323	7153324	7153326	-



## Bridle Line

For this type of line, the trusted Robline technology is used. Known as a Leech Line among sailmakers, this line also has the the best characteristics as a bridle line for kitesurfing. Using UHMWPE as a core covered by High-Tech Polyester creates good abrasion resistance at reasonable breaking loads.

Product name	Ø mm	MBL daN	Spool m	Art no.	red-silver	navy-silver	white-red-yellow
Bridle Line	1.70	130	250	7159110	7159121	7150874	-
Bridle Line	2.50	300	250	7159111	7159122	7150875	-
Bridle Line	3.00	500	250	7159112	7159123	7150876	-



# Related Products

## Polyester Sleeve

This Polyester Sleeve was developed to fit the most common Robline Flying lines for the purpose of protective splices and end terminations.

Product name	Ø mm	Spool m	Art no.	
Polyester Sleeve	2.50	200	7154597	7154598



## Whipping Twine Dyneema®

Innovative whipping twine made of Dyneema®. Dyneema® whipping twine excels mostly due to its high breaking loads and smooth surface. It is easy to handle and requires no additional waxing.

Ø mm	Length m	Art no.		
1	50	white	blue	red
		7154091	7150228	7150225

Available in boxes of 10 units each



## D-Splicer Dyneema® Scissors

Special scissors with microserration for high-tech fibers.

Product name	Art no.
D-Splicer Dyneema® Scissor	7155379

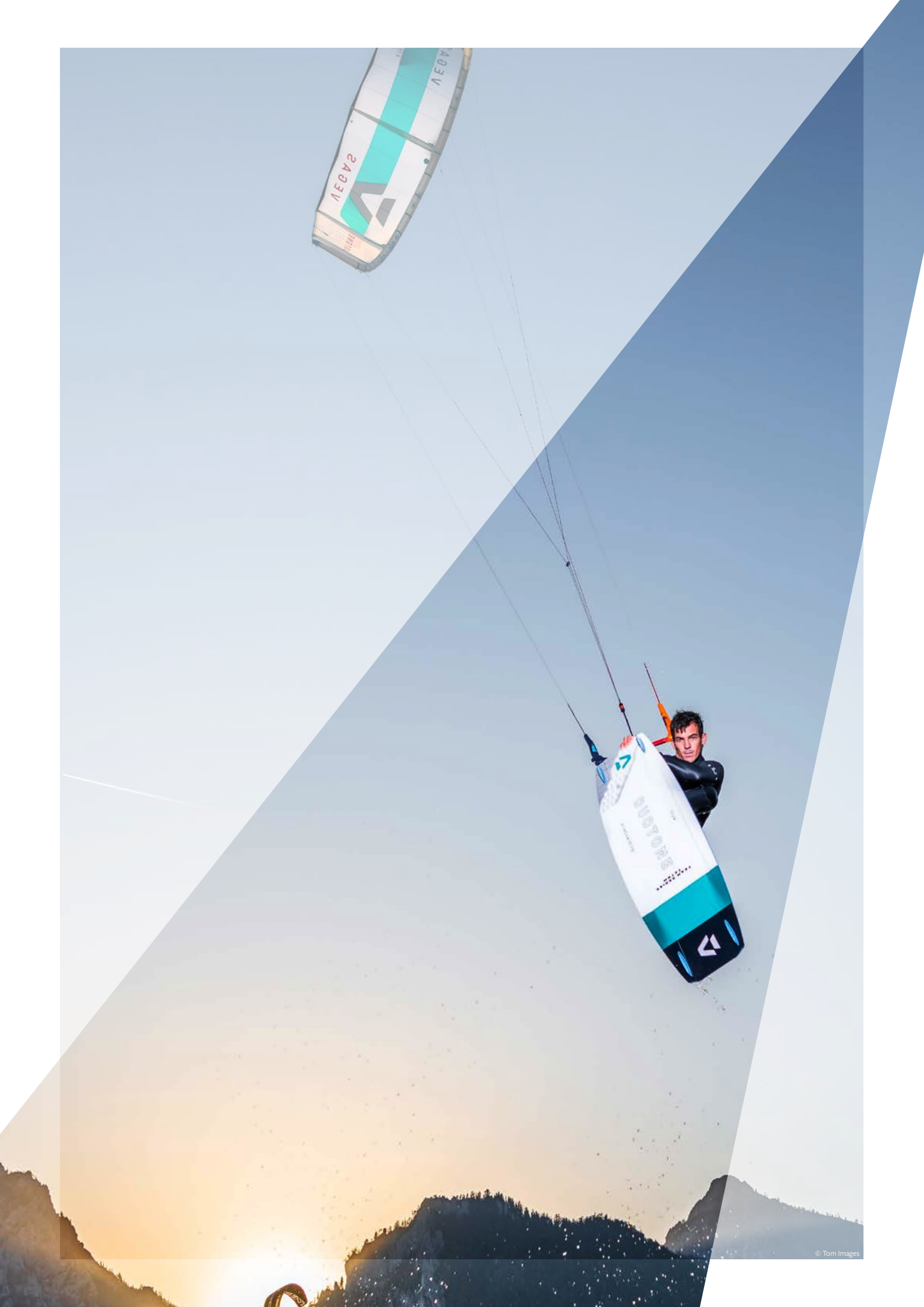


## D-Splicer Splicing Needle

This Splicing Needles is the one used by professionals. Made of stainless steel, it will help you to splice even the smallest line.

Product name	Art no.
F10 (for up to 2mm)	U130151







# Kite Terminology

## ► Bridle Lines

Bridle Lines are somewhat similar to a spider's web as they connect the kite through the pigtails with the Flying Lines of the kite bar.

## ► Flying Lines (front and back)

These lines make up the biggest part of a kite as they are in general between 20 and 30m long and at least 4 of them are needed. Depending on the proficiency level, an 8- or 12 braid as well as different fiber types can be chosen.

## ► Depower Line

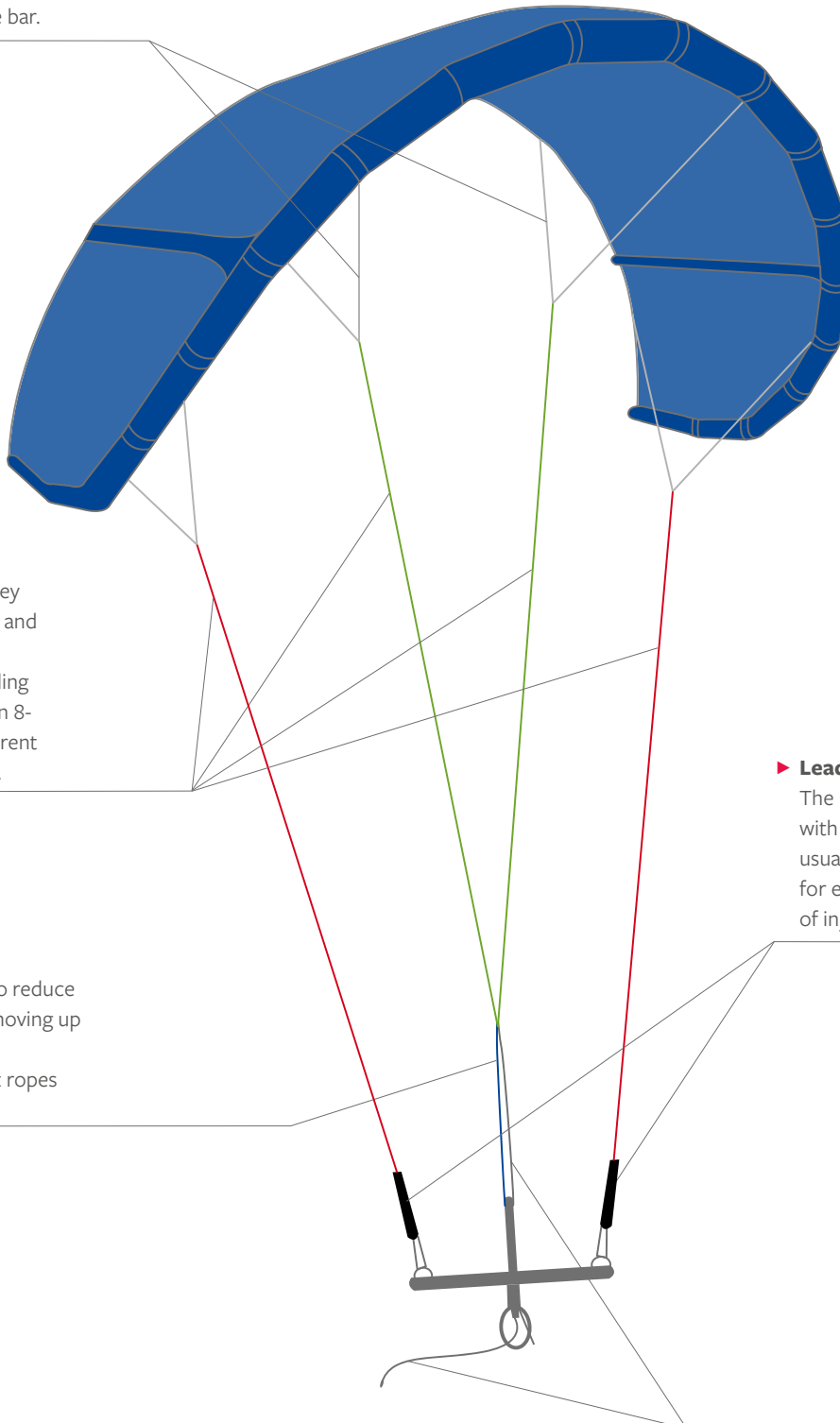
Depowering is an action to reduce the power of the kite by moving up the bar. For this purpose, particularly wear-resistant ropes are needed.

## ► Leader Line

The lines that connect your bar with the flying lines. These are usually thicker than the flying lines for easier handling and avoidance of injuries.

## ► Safety Line

The connection between the kiter and the bar.



# Information about product specifications

For more than a decade, Robline has been a technological leader and successful producer in the field of Kite Lines. Our products are the ultimate benchmark in kiteboarding when it comes to quality, breaking load, lowest stretch, creep protection and shrinkage resistance. Many years of partnering with leading kite manufacturers have resulted in a superior portfolio benefiting kites worldwide.



Product name	Ø mm	Breaking strength daN	Weight g/m
TARIFA FL-340T	1.40	340	1.60

## Product terms

### ► MBL = minimum breaking load in daN

The value in daN (1 daN is about 1 kg) indicates the minimum breaking load at which the line would break. The specified breaking loads are values determined in testing in our laboratory. In practical use, these values may deviate depending on the type of use. The breaking loads were determined for free lengths of line and will be decreased by splices or knots.

### ► Weight = weight in grams per metre (g/m)

The specified values in grams relate to one metre of line. The length of the line can change during use. As a result, there may also be deviations from the specified weight.

### ► Colours

Red and grey as standard colours. Other colours upon request and MOQ.

### ► Spool length

This value is the line length per spool in metres. The line's length is measured taking EN ISO 2307 into account.

## Technology at the edge

### ► T = monofilament TRACE.TECHNOLOGY.

Many of Robline's Flying Lines are produced with our TRACE.TECHNOLOGY. Which is why they feature a coloured PE monofilament in the braid. What is the advantage of this Robline technology and what makes it unique? The features achieved by the TRACE. TECHNOLOGY can be compared to those of a toothbrush, the bristles of which spring up again after sweeping the finger across them. This principle is leveraged in the Robline Kite Lines with TRACE.TECHNOLOGY. The technology always causes the kite line to straighten itself again, which helps to avoid extreme radii and the consequential kinking of the line.

### ► Standard Coating

By using different impregnation and coating techniques, Robline is able to enhance the specific characteristics of a Kite Line. After braiding the line, the complete construction is dipped using a calibrated procedure. Again, a final fixing step will be carried out to ensure that applied substances remain attached to the line fibers as long as possible.

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

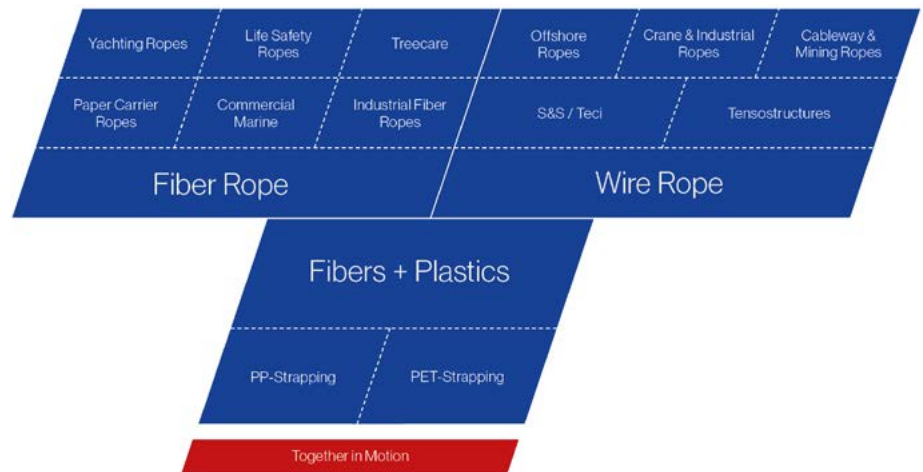
Before braiding the line, all single yarns are dipped and fixed. Added colour pigments allow any colour to be applied as required. Our single-yarn technology protects the line from contamination; abrasion resistance will improve as well as the life time of the Kite Line.

# Expertise from more than 225 years of experience

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.

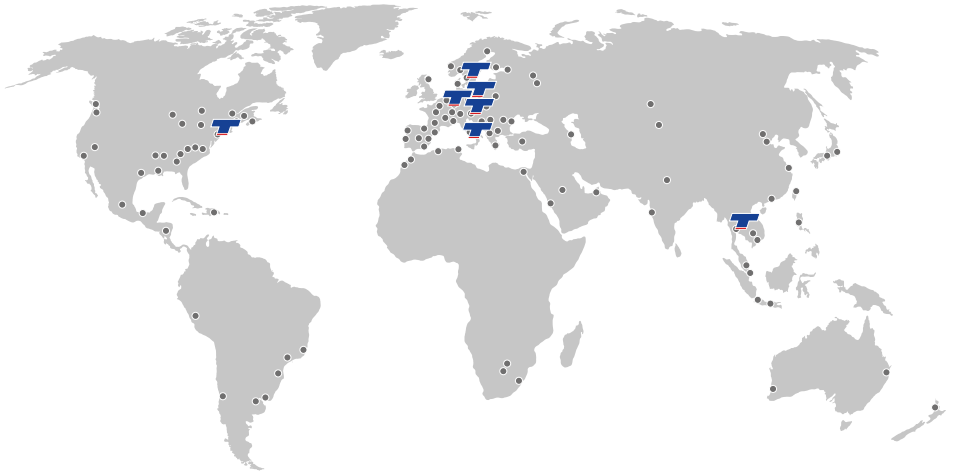
## Great diversity

TEUFELBERGER's products and services are destined for a wide variety of applications ranging from cranes and marine applications to packaging and through to personal protection. The continuity and stability of a family enterprise makes us a reliable partner who, competently and effectively, supports you in mastering your day-to-day challenges.



## Global presence and customer proximity

Manufacturing operations in various countries allow us to meet local quality and certification standards as well as customer requirements without difficulty. From our sites in Austria, the Czech Republic, the U.S., Italy, Sweden, and Thailand, and backed by a close-knit global network of distribution partners, we continue to satisfy the expectations of our customers.



## Innovative solutions through synergies

TEUFELBERGER is a leading specialist for fiber and steel wire ropes as well as strapping. The spectrum of technologies in TEUFELBERGER's portfolio generates various synergies between the extrusion of thermoplastics, the braiding of high performance fibers, and the processing of wires into ropes and strapping.

Especially fiber and steel wire products have brought about valuable synergies with regard to both application and manufacturing technologies, which have benefited our customers tremendously. This makes TEUFELBERGER your ideal partner right from the project planning phase.

5% of TEUFELBERGER's employees are active in research and development and make sure that our customers have access to the latest innovative rope technologies. 10% of the entire investment volume is committed to development and quality assurance.



**TEUFELBERGER Fiber Rope GmbH**

Vogelweiderstraße 50  
4600 Wels, Austria  
Telefon: +43 (0) 7242 413-0  
Fax: +43 (0) 7242 413-9169  
fiberrope@teufelberger.com

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

Titelbild: © Tom Images

© 01/2020 | Kite Lines Wholesale | EN