



**KAYA
ROPES**

ARBORIST ROPES

2022 | ENG

Upgrade Your Lines





KAYA COMPANIES

www.kayacompanies.com

Kaya Companies;

A leader in its field today, Kaya Group began business in the 1980's as Kaya Construction. Kaya Group is now preparing to celebrate its 40th year of operation. Kaya Group concentrates its knowledge and experience in four main areas of activity; the production of technical ropes, industrial work safety and work at height, health and safety at work training and consulting services. Since being fully aware of the dimension of social responsibility attached to the sector, the company obtains national and international certificates for all products that are developed and manufactured.

By providing education and consultation services concerning the correct use of its products, the Kaya Group has gained the knowledge, experience and level of competence that have given the company the confidence and resources to be able to make new advances from a sound base. With its 40- year experience, the Kaya Group is the largest organization in the sector. In 2010, with new products, services and investments, the company is firmly on the path towards becoming an important brand in the international market.

Our Vision;

To make Kaya the undisputed world's strongest, most prestigious and trusted brand in its sector.

Mission Statement;

Our mission is to conduct research and development based on accurate analysis of needs in the sector and thereby develop new products; to employ modern machinery and a competent workforce in the manufacture of world-class, high quality goods; to provide training and consulting services to create knowledgeable workers and managers and help establish a culture of work safety in Turkey; and to provide complete solutions Via our integrated services.

Company Philosophy;

Based on the value we place on human life, our goal is to design products that will safeguard human life on the job, to manufacture such products and to raise awareness about work safety by training workers and managers and providing consultation services in this regard.

KAYA ROPES KAYA TRAINING KAYA SAFETY KAYA CONSTRUCTION KAYA LIFTING KAYA DEFENCE
KAYA ADVENTURE KAYA SPORT KAYA CONSULTING KAYA RESCUE KAYA ARCHITECTURE KAYA NATURAL



HORIZON STATIC®

APPLICATIONS

Rescue Line
 SRT Climbing Line
 (Single Rope Technique)
 Static Rappelling Line
 Safety Lifeline

BENEFITS / FEATURES

Works with Hardware
 Works Smooth Descents
 Water & Dirt Resistant
 (Thermo Protector Process)

Horizon Static® climbing line was designed for SRT climbing systems. This 11,2 mm, 32 strand kernmantle rope provides a smooth cover for sleek descents along with very low elongation. The climber can be confident in this ropes ability to work with your mechanical device of choice.

SPECIFICATIONS

Material : Cover: HT Polyester Fiber
 Core: HT Polyamide Fiber

Type : A

Specific Gravity : ~1,24 kg/dm³

Construction : Core: Parallel Braided
 Cover: 32 Plaited

UV Resistance : Excellent

Chemical Resistance : Good

Melting Point : 256°C

Critical Temperature : 170°C

Fiber Water Absorption : Approx. %2-3

Wet Abrasion : Good

Dry Abrasion : Good

Standard : EN 1891

Length : 91 M-100 M-183 M-200 M Orange Spool

Other Colours on Request

DIA		Weight		Elongation	Cover	B.Load	
(Inch)	(mm)	(lbs/100ft)	(kg/100m)	(50-150kg)	(%)	(lbs)	(kgf)
3/8"	9,5	4,46	6,60	%1,7	49	4.188	1.900
7/16"	11,2	6,09	9,05	%1,7	49	6.810	3.089
1/12"	13	8,06	12,00	%1,7	49	8.155	3.700

*Unspliced Break Load (All Tests are in Accordance with ISO 2307)



HURACAN STATIC®

APPLICATIONS

Climbing Line

BENEFITS / FEATURES

Works with Hardware
Easy Handling/Flexibility
Excellent Knot-Holding Capability
Easy to Splice
Great for Footlocking
Water & Dirt Resistant
(Thermo Protector Process)

Huracan Static® rope provides a 24 strand cover and low stretch for perfect pairing with mechanical devices. This 11,5 mm diameter option delivers a firm yet flexible feel, yet stays round under load and offers abrasion resistance. Excellent knot-holding capability along with splicing options make Huracan Static® a great climbing rope option.

SPECIFICATIONS

Material	:	Cover: HT Polyester Fiber Core: HT Polyamide Fiber
Type	:	A
Specific Gravity	:	~1,26 kg/dm ³
Construction	:	Core: 16 Plaited Cover: 24 Plaited
UV Resistance	:	Excellent
Chemical Resistance	:	Good
Melting Point	:	256°C
Critical Temperature	:	170°C
Fiber Water Absorption	:	Approx. %2-3
Wet Abrasion	:	Good
Dry Abrasion	:	Good
Standard	:	EN 1891
Length	:	91 M-100 M-183 M-200 M Orange Spool

Other Colours on Request

DIA		Weight		Elongation	Cover	B.Load	
(Inch)	(mm)	(lbs/100ft)	(kg/100m)	(50-150kg)	(%)	(lbs)	(kgf)
7/16"	11,5	6,18	9,20	%2,0	57	6.800	3.084

*Unspliced Break Load (All Tests are in Accordance with ISO 2307)



HURACAN STATIC® ARBORIST ROPES





ASPEN STATIC® ARBORIST ROPES

ASPEN STATIC®

APPLICATIONS

SRT Climbing Line
(Single Rope Technique)

BENEFITS / FEATURES

Ultra Low-Stretch
Tight Jacket
SRT Ascent
Water & Dirt Resistant
(Thermo Protector Process)

Similar to Horizon Static® this 11,7 mm static climbing line will provide the perfect diameter for the climber looking for smooth descents and retrieval with multiple redirects with very little effort. This 32 strand kernmantle rope has very low stretch and a thicker cover for reduced wear.

SPECIFICATIONS

Material	:	Cover: HT Polyester Fiber Core: HT Polyamide Fiber
Type	:	A
Specific Gravity	:	~ 1,26 kg/dm ³
Construction	:	Core: Parallel Braided Cover: 32 Plaited
UV Resistance	:	Excellent
Chemical Resistance	:	Good
Melting Point	:	256°C
Critical Temperature	:	170°C
Fiber Water Absorption	:	Approx. %2-3
Wet Abrasion	:	Good
Dry Abrasion	:	Good
Standard	:	EN 1891
Length	:	91 M-100 M-183 M-200 M Orange Spool

Other Colours on Request

DIA		Weight		Elongation	Cover	B.Load	
(Inch)	(mm)	(lbs/100ft)	(kg/100m)	(50-150kg)	(%)	(lbs)	(kgf)
15/32"	11,7	7,12	10,60	%1,0	55	7.344	3.331

*Unspliced Break Load (All Tests are in Accordance with ISO 2307)



THUNDER STATIC®

APPLICATIONS

Climbing Line
Static Rappelling Line
Safety Lifeline
High Heat Applications

BENEFITS / FEATURES

Excellent Heat Applications
Arc Flash Protection
Excellent Cut Resistance
Water & Dirt Resistant
(Thermo Protector Process)

Designed with a unique Technora® cover and polyamide fiber core, Thunder Static® is robust and durable, yet supple enough to work position easily. Thunder Static® is abrasion resistant, rugged and may offer resistance to nicks without the weight of a metal core and it is non-conductive.

SPECIFICATIONS

Material	:	Cover: Technora® Fiber Core: HT Polyamide Fiber
Type	:	A
Specific Gravity	:	~1,26 kg/dm ³
Construction	:	Core: Parallel Braided Cover: 32 Plaited
UV Resistance	:	Poor
Chemical Resistance	:	Excellent
Melting Point	:	500°C
Critical Temperature	:	350°C
Fiber Water Absorption	:	Approx. %3-4
Wet Abrasion	:	Excellent
Dry Abrasion	:	Excellent
Standard	:	EN 1891
Length	:	91 M-100 M-183 M-200 M Orange Spool

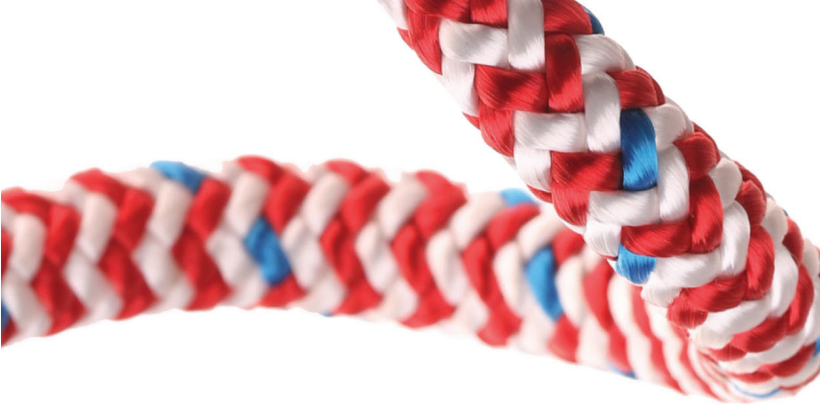
Other Colours on Request

DIA		Weight		Elongation	Cover	B.Load	
(Inch)	(mm)	(lbs/100ft)	(kg/100m)	(50-150kg)	(%)	(lbs)	(kgf)
3/8"	9,5	3,89	5,80	%3,3	53	6.784	3.077
7/16"	11	5,81	8,65	%1,3	45	8.563	3.884

*Unspliced Break Load (All Tests are in Accordance with ISO 2307)



THUNDER STATIC® ▲ ARBORIS ROPES



ARBOR FLEX®

APPLICATIONS

Climbing Line

BENEFITS / FEATURES

- Easy Handling/Flexibility
- Excellent Knot-Holding Capability
- Low Stretch
- Sized for Easy Grip
- Water & Dirt Resistant
(Thermo Protector Process)

This 16 strand 12,7mm diameter climbing line was designed to offer superior abrasion resistance. Its durable cover and parallel core provide low stretch while maintaining its round shape. The larger strands allow for plenty of grip providing less fatigue to the climber. Available spliced or sewn.

SPECIFICATIONS

Material	:	Cover: HT Polyester Fiber Core: HT Polyamide Fiber
Type	:	A
Specific Gravity	:	~1,34 kg/dm ³
Construction	:	Core: Parallel Braided Cover: 16 Plaited
UV Resistance	:	Excellent
Chemical Resistance	:	Good
Melting Point	:	256°C
Critical Temperature	:	170°C
Fiber Water Absorption	:	Approx. %2-3
Wet Abrasion	:	Good
Dry Abrasion	:	Good
Standard	:	EN 1891
Length	:	91 M-100 M-183 M-200 M Orange Spool

Other Colours on Request

DIA		Weight		Elongation	Cover	B.Load	
(Inch)	(mm)	(lbs/100ft)	(kg/100m)	(50-150kg)	(%)	(lbs)	(kgf)
1/2"	12,7	7,82	11,65	%2,7	77	5.760	2.613

*Unspliced Break Load (All Tests are in Accordance with ISO 2307)



RIG FLEX®

APPLICATIONS

Climbing Line
Rigging Line

BENEFITS / FEATURES

Easy Handling/Flexibility
Firm Construction
Low Stretch
Retains Shape with use
Water & Dirt Resistant
(Thermo Protector Process)

Built to stay round, this 12 strand 12,7mm diameter allows for better hand control. This polyester option is lightweight and high-strength with wear resistance for climbing or rigging.

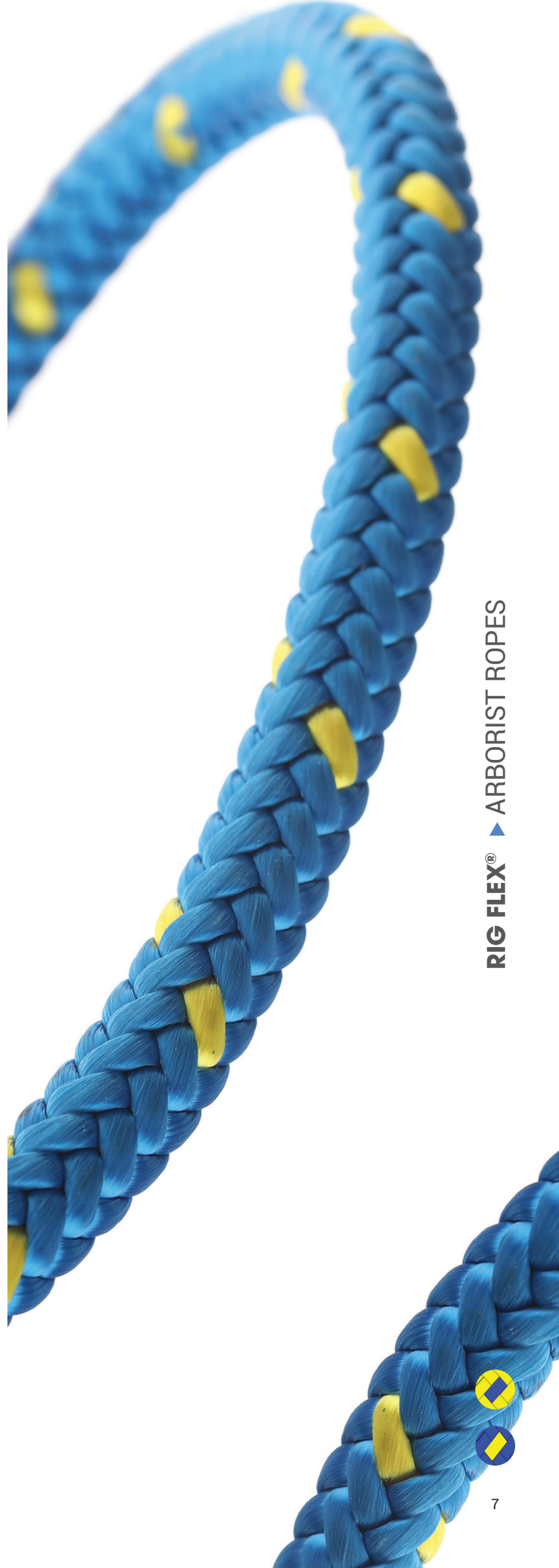
SPECIFICATIONS

Material	:	100% HT Polyester Fiber
Specific Gravity	:	~1,38 kg/dm ³
Construction	:	12 Strand Braided
UV Resistance	:	Excellent
Chemical Resistance	:	Good
Melting Point	:	256°C
Critical Temperature	:	170°C
Fiber Water Absorption	:	Approx. %1-2
Wet Abrasion	:	Good
Dry Abrasion	:	Good
Standard	:	-
Length	:	91 M-100 M-183 M-200 M Orange Spool

Other Colours on Request

DIA		Weight		B.Load	
(Inch)	(mm)	(lbs/100ft)	(kg/100m)	(lbs)	(kgf)
1/2"	12,7	8,13	12,10	4.189	1.900

*Unspliced Break Load (All Tests are in Accordance with ISO 2307)



RIG FLEX® ▶ ARBORIST ROPES



LUPES® PLAIN W-AP

APPLICATIONS

Hitch Cord
Accessory Cord

BENEFITS / FEATURES

Very Good Heat Resistance
Easy to Splice
Good Grip
Water & Dirt Resistant
(Thermo Protector Process)

The need for heat resistance and grip is perfectly attained by the Lupes® Eye-and-Eye. Available in 8 mm and 10,5mm diameters, the combined aramid and polyester sheath and polyester core, allow for just enough bite, but smooth decent.

SPECIFICATIONS

Material	:	Cover: %50 Twaron® Fiber %50 HT Polyester Fiber Core: HT Polyester Fiber
Specific Gravity	:	~1,40 kg/dm³
Construction	:	Core: 12 Plaited Cover: 32 Plaited
UV Resistance	:	Poor
Chemical Resistance	:	Excellent
Melting Point	:	256°C
Critical Temperature	:	170°C
Fiber Water Absorption	:	Approx. %2-3
Wet Abrasion	:	Very Good
Dry Abrasion	:	Very Good
Standard	:	EN 564 (Only Applies to 8 mm)
Length	:	91 M-100 M-183 M-200 M Orange Spool

Other Colours on Request

DIA		Weight		Cover	B.Load	
(Inch)	(mm)	(lbs/100ft)	(kg/100m)	(%)	(lbs)	(kgf)
5/16"	8	3,52	5,25	53	4.526	2.053
13/32"	10,5	5,55	8,25	45	6.587	2.988

*Unspliced Break Load (All Tests are in Accordance with ISO 2307)





LUPES® VIPERA COATED

APPLICATIONS

Rigging Line

BENEFITS / FEATURES

- Does not Harden
- Does not Kink
- Soft Hand
- Durable
- Flexible Cover

This rugged, durable rigging line has a strong abrasion resistant cover, low stretch, good knotability and it can be spliced. Available in 8-24 diameters.

SPECIFICATIONS

Material	:	Cover: HT Coated Polyester Fiber Core: HT Polyester Fiber
Specific Gravity	:	~1,38 kg/dm ³
Construction	:	Core: 16 Plaited Cover: 16-20-24 Plaited
UV Resistance	:	Excellent
Chemical Resistance	:	Good
Melting Point	:	256°C
Critical Temperature	:	170°C
Elongation at Break	:	Approx. %15
Fiber Water Absorption	:	Approx. %1-2
Wet Abrasion	:	Very Good
Dry Abrasion	:	Very Good
Standard	:	-
Length	:	91 M-100 M-183 M-200 M Orange Spool

Other Colours on Request

DIA		Weight		B.Load	
(Inch)	(mm)	(lbs/100ft)	(kg/100m)	(lbs)	(kgf)
5/16"	8	3,36	5,00	2.904	1.320
3/8"	10	5,17	7,70	4.510	2.050
1/2"	12	7,59	11,30	6.380	2.900
9/16"	14	10,21	15,20	8.602	3.910
5/8"	16	13,37	19,90	11.154	5.070
3/4"	18	17,14	25,50	14.014	6.370
13/16"	20	21,00	31,25	17.160	7.800
7/8"	22	25,43	37,85	20.636	9.380
1"	24	30,12	44,85	24.442	11.110

*Unspliced Break Load (All Tests are in Accordance with ISO 2307)



LUPEX® ROUND

APPLICATIONS

Rigging Line

BENEFITS / FEATURES

- Easy to Splice
- Good Grip
- Snag Resistant
- Easy to Inspect

SPECIFICATIONS

Material	:	100% HT Coated Polyester Fiber
Specific Gravity	:	~1,38 kg/dm ³
Construction	:	12 Strand Braided
UV Resistance	:	Excellent
Chemical Resistance	:	Good
Melting Point	:	256°C
Critical Temperature	:	170°C
Fiber Water Absorption	:	Approx. %1-2
Wet Abrasion	:	Very Good
Dry Abrasion	:	Very Good
Standard	:	-
Length	:	91 M-100 M-183 M-200 M Orange Spool

Other Colours on Request

DIA		Weight		B. Load	
(Inch)	(mm)	(lbs/100ft)	(kg/100m)	(lbs)	(kgf)
5/16"	8	3,26	4,85	4.200	1.900
3/8"	9	4,13	6,15	5.500	2.500
7/16"	11	6,55	9,75	8.600	3.900
1/2"	12	9,14	13,60	11.800	5.300
5/8"	16	14,58	21,70	16.900	7.700
3/4"	18	17,40	25,90	22.300	10.100
7/8"	22	26,11	38,85	30.800	14.000
1"	24	33,93	50,50	40.100	18.200
1-1/4"	30	54,83	81,60	55.800	25.300

*Unspliced Break Load (All Tests are in Accordance with ISO 2307)



LUPEX® ROUND ▲ ARBORIST ROPES





FORCE K® THROWLINE

APPLICATIONS

Throw Line

BENEFITS / FEATURES

- Superior Abrasion Resistance
- Buoyant
- Durable
- Very Low Stretch
- Lightweight
- Easy to Splice
- Does not Kink

This lightweight 2 mm 12 strand UHMWPE throwline has low stretch and is coated for smooth movement over rough bark. This hollow-braid is easily spliced and available in hi-vis yellow.

SPECIFICATIONS

Material	:	Coated UHMWPE Fiber
Specific Gravity	:	0,97 kg/dm ³
Construction	:	12 Strand Braided
UV Resistance	:	Excellent
Chemical Resistance	:	Excellent
Melting Point	:	147°C
Critical Temperature	:	65°C
Working Strerch	:	<1,5%
Fiber Water Absorption	:	None
Wet Abrasion	:	Excellent
Dry Abrasion	:	Excellent
Standard	:	-
Length	:	91 M-100 M-183 M-200 M Orange Spool

Other Colours on Request

DIA		Weight		B.Load	
(Inch)	(mm)	(lbs/100ft)	(kg/100m)	(lbs)	(kgf)
5/64"	2	0,77	0,25	888	404

*Unspliced Break Load (All Tests are in Accordance with ISO 2307)



FORCE K[®]

APPLICATIONS

Towing Line
Winch Line

BENEFITS / FEATURES

Superior Abrasion Resistance
Buoyant
Durable
Very Low Stretch
Lightweight
Easy to Splice
Does not Kink

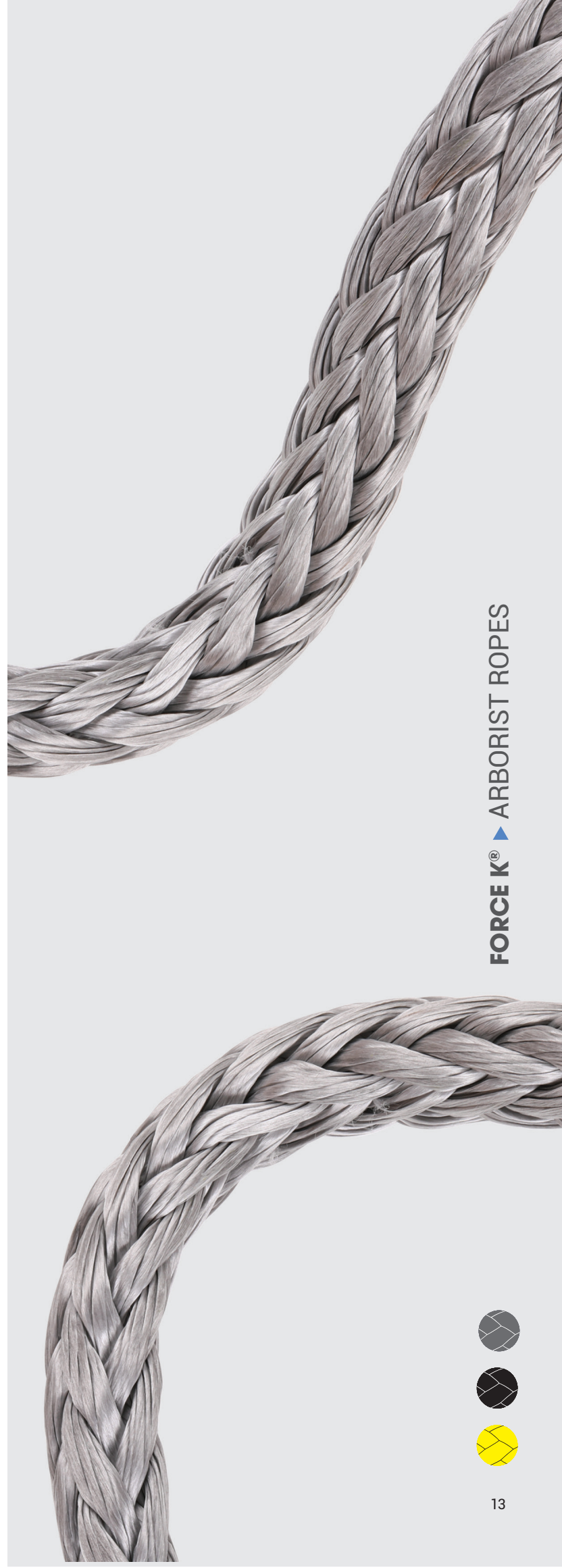
SPECIFICATIONS

Material	:	Coated UHMWPE Fiber
Specific Gravity	:	0,97 kg/dm ³
Construction	:	12 Strand Braided
UV Resistance	:	Excellent
Chemical Resistance	:	Excellent
Melting Point	:	147°C
Critical Temperature	:	65°C
Working Stretch	:	<1,5%
Fiber Water Absorption	:	None
Wet Abrasion	:	Excellent
Dry Abrasion	:	Excellent
Standard	:	-
Length	:	91 M-100 M-183 M-200 M Orange Spool

Other Colours on Request

DIA		Weight		B.Load	
(Inch)	(mm)	(lbs/100ft)	(kg/100m)	(lbs)	(kgf)
1/4"	6	1,55	2,30	7.838	3.563
5/16"	8	2,69	4,00	13.794	6.270
3/8"	10	4,10	6,10	21.736	9.880
1/2"	12	5,85	8,70	31.350	14.250
9/16"	14	7,86	11,70	42.636	19.380
5/8"	16	10,15	15,10	55.427	25.194
3/4"	18	12,77	19,00	66.086	30.039

*Unspliced Break Load (All Tests are in Accordance with ISO 2307)



FORCE K[®] ▲ ARBORIST ROPES



STANDARDS OF ROPES

EN ISO 9554	Fibre Ropes - General Specifications
EN ISO 1968	Fibre Ropes and Cordage - Vocabulary
EN ISO 2307	Fibre Ropes - Determination of Certain Physical and Mechanical Properties
EN ISO 1140	Fibre Ropes - Polyamide - 3, - 4 and - 8 Strand Ropes
EN ISO 1141	Fibre Ropes - Polyester - 3, - 4 and - 8 Strand Ropes
EN ISO 1346	Fiber Ropes - Polypropylene - 3, - 4 and - 8 Strand Ropes
EN ISO 1181	Fibre Ropes - Manila and Sisal - 3,- 4 and - 8 Strand Ropes
ISO 10547	Polyester Fibre Ropes - Double Braid Construction
ISO 10554	Polyamide Fibre Ropes - Double Braid Construction
ISO 10572	Mixed Polyolef in Fibre Ropes
ISO 10325	Fibres Ropes - High Modulus Polyethylene - 8 Strand Braided Ropes, 12 Strand Braided Ropes and Covered Ropes
ISO 10556	Fibres Ropes of Polyester/Polyolef in Dual Fibres
EN 1891	Personel Protective Equipment for The Prevention of Falls From A Height - Low Stretch Kernmantel Ropes
EN 892	Mountaineering Equipment - Dynamic Mountaineering Ropes - Safety Requirements and Test Methods
EN 564	Mountaineering Equipment - Accessory Cord - Safety Requirements and Test Methods

STANDARDS OF ROPES

MIL-DTL 24050E	Polyamide Fibre Ropes - Double Braid Construction
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STANDARDS OF SLINGS

EN 1492-1+A1	Textile Slings - Safety - Part 1: Flat Woven Webbing Slings, Made of Man - Made Fibers for General Purpose Use
EN 1492-2+A1	Textile Slings - Safety - Part 2: Roundslings, Made of Man - Made Fibers for General Purpose Use

QUALITY - TEST

Kaya Ropes manufactures all kinds of ropes with technical specifications that are suitable for all kind of conditions & ropes made for a specific field with international quality certifications also offering a wide range of construction type and raw materials for every field where the safety of human life and property is of prime concern.

For certain type of products, Kaya Ropes has the type approval and inspection certificates from Turk Loydu. Additionally, Kaya Ropes offers inspection certificates from DNV-GL and Bureau Veritas upon special request from their clients.







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