



ARBORIST ROPES

2021 | 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.



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



HURACAN STATIC®

APPLICATIONS

BENEFITS / FEATURES

Climbing Line

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

: Cover: HT Polyester Fiber Material

Core: HT Polyamide Fiber

Туре

Specific Gravity ~1,26 kg/dm³ 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

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







ASPEN STATIC®

APPLICATIONS

TIONS BENEFITS / FEATURES

SRT Climbing Line
(Single Rope Technique)

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/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

D	IA	Weight		Elongation	Cover	B.L	oad
(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



THUNDER STATIC®

APPLICATIONS

BENEFITS / FEATURES

Climbing Line Static Rappelling Line Safety Lifeline High Heat Applications 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 : $\sim 1,26 \text{ kg/dm}^3$

Construction : Core: Parallel Braided

Cover: 32 Plaited

UV Resistance Poor Chemical Resistance Excellent Melting Point 500°C **Critical Temperature** 350°C Approx. %3-4 Fiber Water Absorption : Wet Abrasion Excellent **Dry Abrasion** Excellent Standard EN 1891

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

Other Colours on Request

DI	Α	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







ARBOR FLEX®

APPLICATIONS

BENEFITS / FEATURES

Climbing Line

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/dm³

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		ght	Elongation	Cover	B.L	oad	
(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
*Uns	pliced	Break Loa	ad (All Tes	sts are in A	ccordan	ce with IS	O 2307)



RIG FLEX®

APPLICATIONS

BENEFITS / FEATURES

Climbing Line Rigging Line

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 light-weight and high-strength with wear resistance for climbing or rigging.

SPECIFICATIONS

Material : 100% HT Polyester Fiber

Specific Gravity ~1,38 kg/dm³ 12 Strand Braided Construction

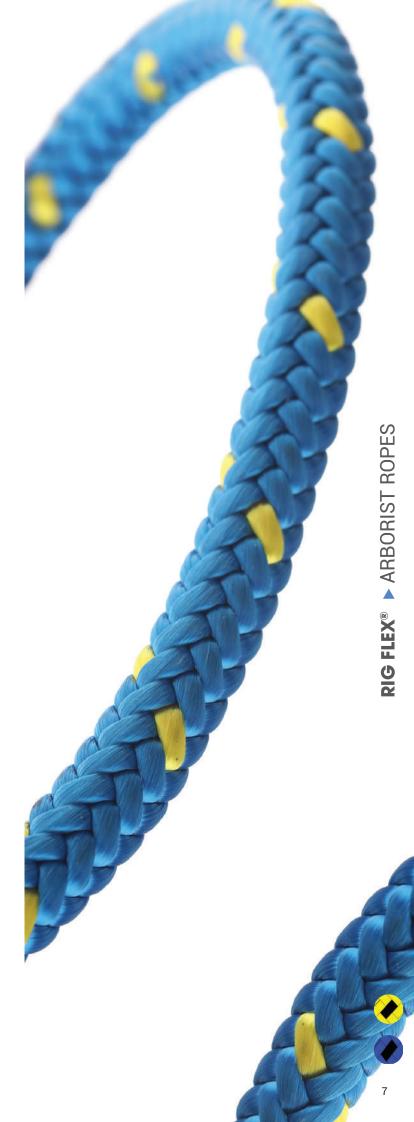
Excellent **UV** Resistance Chemical Resistance : Good Melting Point 256°C **Critical Temperature** : 170°C Fiber Water Absorption : Approx. %1-2 Wet Abrasion Good

Dry Abrasion Good Standard

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

Other Colours on Request

DIA		Wei	ght	B.Load				
(Inch)	(mm)	(lbs/100ft)	(kg/100m)	(lbs)	(kgf)			
1/2"	12,7	8,13	12,10	4.189	1.900			
*Uns	*Unspliced Break Load (All Tests are in Accordance with ISO 2307)							







LUPES® PLAIN W-AP

APPLICATIONS

BENEFITS / FEATURES

Hitch Cord Accessory Cord 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 10,5 mm diameters, the combined aramid and polyester sheath and polyester core, allow for ust 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 Plaite

: 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 : Approx. %2:

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

DI	A	Weight		Cover	B.L	oad
(Inch)	(mm)	(lbs/100ft)	(kg/100m)	(%)	(Ibs)	(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





STORM H PRO® MIX TP

APPLICATIONS

BENEFITS / FEATURES

Hitch Cord Accessory Cord Excellent Breaking Load Very Good Heat Resistance

Low Stretch Easy to Splice

Storm H Pro® Mix TP is a blended cover of aramid and polyester with HMPE core providing heat resistance and very low stretch. The supple cover offers the grip you are looking for in an eye-and-eye configuration that will last. Available in 8 mm and 10 mm in the configuration you are looking for.

SPECIFICATIONS

Material : Cover: 50% Technora® Fiber

%50 HT Polyester Fiber Core: Coated UHMWPE Fiber

Specific Gravity : ~0,99-1,20 kg/dm³ Construction : Core: 12 Plaited

Cover: 24 Plaited

UV Resistance : Sufficient
Chemical Resistance : Excellent
Melting Point : 147-256°C
Critical Temperature : 65°C
Working Temperature : < 1,5%
Fiber Water Absorption : Approx. %1-2
Wet Abrasion : Excellent
Dry Abrasion : Excellent

Standard : -

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

Other Colours on Request

DI	4	Weight		Cover	В	.Load
(Inch)	(mm)	(lbs/100ft)	(kg/100m)	(%)	(lbs)	(kgf)
5/16"	8	2,92	4,35	59	7.920	3.600
3/8"	10	4,37	6,50	56	12.430	5.650

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



ARBORIST ROPES

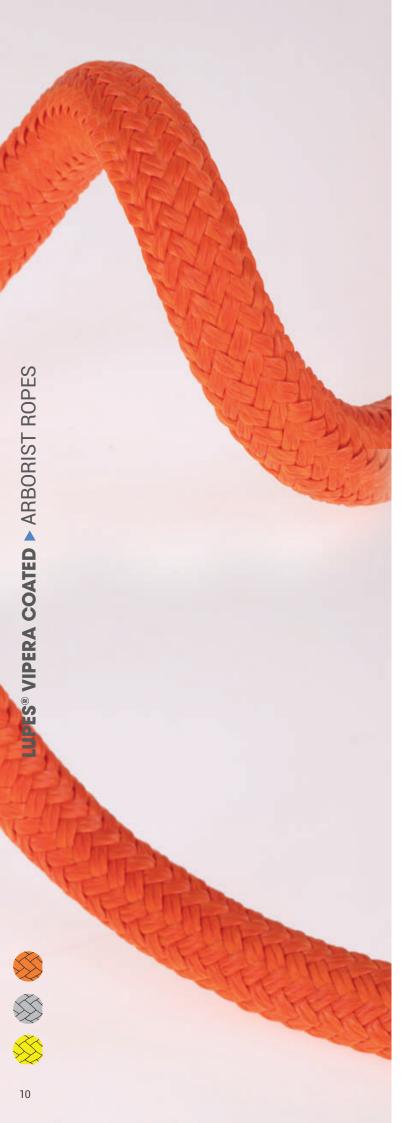












LUPES® VIPERA COATED

APPLICATIONS

BENEFITS / FEATURES

Rigging Line

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/dm³ 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 Approx. %1-2 Fiber Water Absorption 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		Wei	ight	B.Load		
(Inch)	(mm)	(lbs/100ft)	(kg/100m)	(Ibs)	(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	
*Unsi	pliced	Break Load (A	II Tests are in A	Accordance wi	ith ISO 2307)	



LUPEX® ROUND

APPLICATIONS

BENEFITS / FEATURES

Rigging Line Easy to Splice

Good Grip Snag Resistant Easy to Inspect

SPECIFICATIONS

Material : 100% HT Coated Polyester Fiber

Specific Gravity : ~1,38 kg/dm³
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

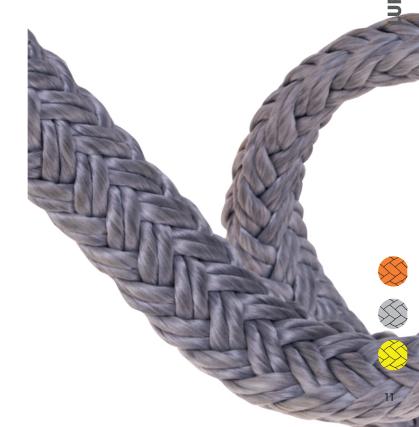
Standard : -

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

Other Colours on Request

DI	DIA Weight		ght	B.Load	
(Inch)	(mm)	(lbs/100ft)	(kg/100m)	(Ibs)	(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







FORCE K® THROWLINE > ARBORIST ROPES

FORCE K® THROWLINE

APPLICATIONS

BENEFITS / FEATURES

Throw Line

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/dm³ Construction : 12 Strand Braided

UV Resistance : Excellent Chemical Resistance : Excellent : 147°C Melting Point Critical Temperature 65°C Working Strerch <1,5% Fiber Water Absorption : None Excellent Wet Abrasion Dry Abrasion Excellent

Standard

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

Other Colours on Request

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



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

 $\begin{tabular}{lll} Specific Gravity & : & 0,97 kg/dm^3 \\ Construction & : & 12 Strand Braided \\ \end{tabular}$

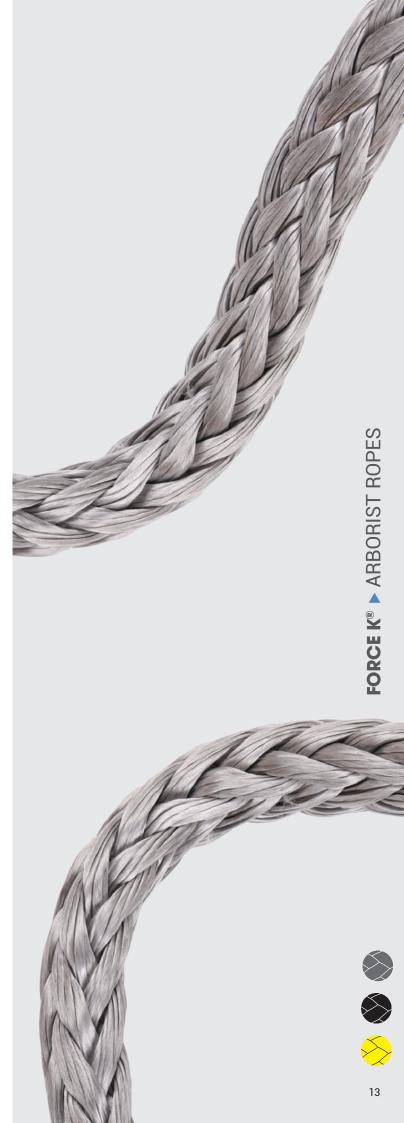
UV Resistance : Excellent
Chemical Resistance : Excellent
Melting Point : 147°C
Critical Temperature : 65°C
Working Stretch : <1,5%
Fiber Water Absorption : None
Wet Abrasion : Excellent
Dry Abrasion : Excellent

Standard : -

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

Other Colours on Request

DI	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





STANDARDS OF ROPES

EN ISO 1181

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

Fibre Ropes - Manila and Sisal - 3,- 4 and - 8 Strand Ropes

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

ISO 10547 Polyester Fibre Ropes - Double Braid ConstructionISO 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

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

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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