

Paper Carrier Ropes



DEAR CUSTOMER

THIS CATALOGUE PRESENTS THE FULL RANGE OF PAPER CARRIER ROPES MADE BY LANEX – ONE OF EUROPE'S LEADING MANUFACTURERS OF ROPES AND TECHNICAL FIBERS.

THE LANEX NAME IS A GUARANTEE OF TOP QUALITY ROPES FOR THE PAPER INDUSTRY AND A WIDE RANGE OF TECHNICAL, SPORTS AND LEISURE APPLICATIONS. AT LANEX WE HAVE BEEN MAKING ROPES AND FIBERS SINCE 1949, AND WE EXPORT OUR PRODUCTS TO CUSTOMERS IN OVER 80 COUNTRIES WORLDWIDE.

REASONS TO CHOOSE LANEX PAPER CARRIER ROPES

CERTIFIED QUALITY

- we use fully standardized production processes for top-quality products
- we conduct regular ISO 9001 quality control on all our products to ensure consistent quality
- we have zero tolerance of production deviations
- our choice of input material suppliers is uncompromising

RESEARCH AND DEVELOPMENT

- we have our own in-house testing laboratory with custom-made equipment simulating many types of paper machine operations
- every year we invest more in our own R&D team, including state-of-the-art equipment
- we work closely alongside all sales outlets and end users of our paper carrier ropes to ensure continual improvements to our existing product range, and to develop new market-leading products

For two decades LANEX has ranked among the top three global manufacturers of paper carrier ropes.

Even in this highly competitive market, our sales continue to grow every year as we acquire an ever-broader customer base. How have we achieved this remarkable success?

It's because we know what you – our customers – require and expect from us.

We make products of unrivalled quality. Our global distribution team works closely alongside our technical experts to deal with your problems on-line as well as on-site at any time – sharing many decades of our experience in this product sector.

We can advise you which type of rope to choose for a specific part of the paper machine, and we can show you how to increase the service lifetime of your paper carrier ropes. We can provide training for paper machine operators in how to splice the ropes correctly. We can visit your production line to show you the correct rope tension and advise you about all the key do's and don'ts – helping you to get the maximum benefit from our products. If there is a problem, we can analyze the used/ damaged rope at our technical laboratory and recommend steps that you can take to avoid any more problems in the future.

We are more than just a supplier – we are your reliable partner for efficient, problem-

free paper production.

We know that the success of our paper carrier ropes does not depend only on the quality of the product itself. That's why our dedicated team of distributors and LANEX staff are always available to provide comprehensive technical support for all our customers.

If you're looking for any specific information that you cannot find in this catalogue, please do not hesitate to contact us – after all, we are here to help.

The paper carrier ropes team at LANEX

SERVICE AND TECHNICAL SUPPORT

- our paper carrier ropes achieve their optimum performance only if they are correctly selected, correctly installed and correctly spliced, and only if the rope path is in a good condition
- all our distributors and LANEX staff are fully trained professionals who can offer expert technical advice on the correct use of LANEX paper carrier ropes
- we sell a range of accessories to increase user comfort and ensure easy splicing and correct usage of our paper carrier ropes
- our distributors and technical team are always available to offer advice in the following areas:
 - the correct choice of paper carrier ropes for the required section of the paper machine
 - the correct choice of diameter for paper carrier ropes
 - training for paper machine operators in correct rope splicing techniques
 - we can analyze samples of LANEX paper carrier ropes used on your production line
 - our local distributor or a LANEX team member can perform a comprehensive audit of the rope path in your paper machine
 - based on the audit results, we will compile technical documentation recommending modifications to your machine's rope path and identifying any problems with the use of the paper carrier rope



POWERLINE UNO



PRODUCT DESCRIPTION

- coreless braided rope
- impregnated and thermo-stabilized using a special combination of protective chemicals
- polyamide fiber material

APPLICATION

- all drying sections of paper machines at speeds up to 600* m/min
- low grammage paper up to 140* g/m²

* indicative value

ADVANTAGES

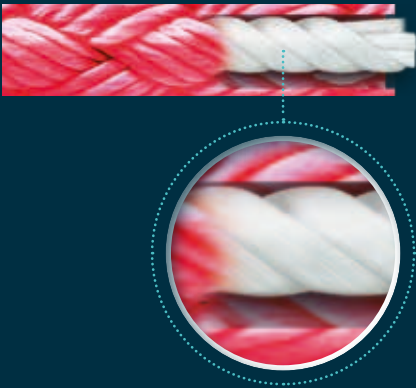
- low price and universal application
- simple splicing

POWERLINE UNO

diameter (mm)	8,5	10	11	12
weight (g/m)	29,6	38,2	55,6	67,7
length on a reel (m/ft)	600/1968	600/1968	500/1640	400/1312
rope tension (kg)	18 – 22	20 – 25	22 – 27	25 – 30

For further info please contact your local distributor or LANEX experts (www.lanex.cz).

POWERLINE DUO



PRODUCT DESCRIPTION

- braided rope with reinforcing inner core
- impregnated and thermo-stabilized using a special combination of protective chemicals
- polyamide fiber material



APPLICATION

- all drying sections of paper machines at speeds over 600* m/min
- high grammage paper over 140* g/m²

* indicative value

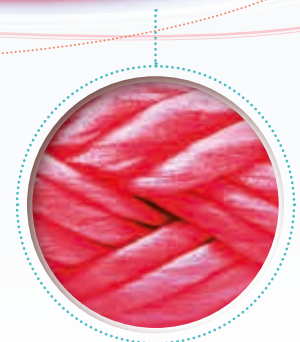
ADVANTAGES

- low price
- universal application in high-speed paper machines
- long service lifetime
- retains its shape
- high stability and low rope vibration during paper feeding



POWERLINE DUO

diameter (mm)	8,5	10	11	12
weight (g/m)	43,5	52,6	67,4	75,7
length on a reel (m/ft)	600/1968	600/1968	500/1640	400/1312
rope tension (kg)	18 – 22	20 – 25	22 – 27	25 – 30



For further info please contact your local distributor or LANEX experts (www.lanex.cz).

SUPERLINE UNO



PRODUCT DESCRIPTION

- coreless braided rope
- double impregnation and double thermo-stabilization using a special combination of protective chemicals
- polyamide fiber material

APPLICATION

- universal application in paper machines at speeds up to 600* m/min
- low grammage paper up to 140* g/m²

* indicative value

ADVANTAGES

- low price and universal application
- simple splicing
- excellent resistance to the effects of chemical agents used in paper production
- excellent resistance to moisture and temperatures up to 100 °C
- low elongation

SUPERLINE UNO

diameter (mm)	8,5	10	11	12
weight (g/m)	27,9	35,9	53,8	66,4
length on a reel (m/ft)	600/1968	600/1968	500/1640	400/1312
rope tension (kg)	18 – 22	20 – 25	22 – 27	25 – 30

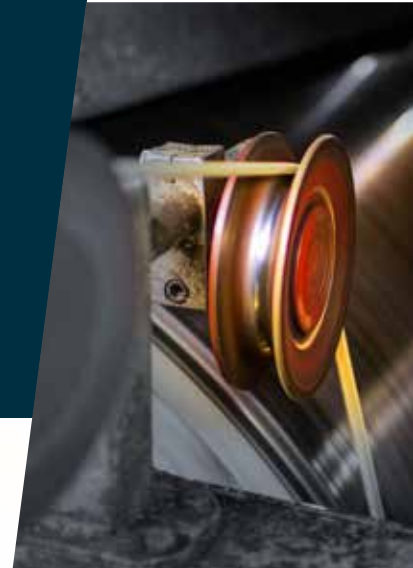
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SUPERLINE DUO



PRODUCT DESCRIPTION

- braided rope with reinforcing inner core
- double impregnation and double thermo-stabilization using a special combination of protective chemicals
- polyamide fiber material



APPLICATION

- universal application in paper machines at speeds over 600* m/min
- high grammage paper over 140* g/m²

* indicative value

ADVANTAGES

- excellent resistance to the effects of chemical agents used in paper production
- excellent resistance to moisture and temperatures up to 100 °C
- high stability and low rope vibration during paper feeding
- excellent abrasion resistance
- low elongation



SUPERLINE DUO

diameter (mm)	8,5	10	11	12
weight (g/m)	42,1	50,3	65,9	74,4
length on a reel (m/ft)	600/1968	600/1968	500/1640	400/1312
rope tension (kg)	18 – 22	20 – 25	22 – 27	25 – 30



For further info please contact your local distributor or LANEX experts (www.lanex.cz).

COMPACT UNO



PRODUCT DESCRIPTION

- coreless braided rope with unique 16-strand structure
- strands tightly braided to prevent damage to rope material due to chemical agents and impurities
- polyamide fiber material
- impregnated and thermo-stabilized using a special combination of protective chemicals

APPLICATION

- in paper machines at speeds up to 800* m/min
- ideal for coating and size press sections

* indicative value

ADVANTAGES

- excellent resistance to moisture and temperatures up to 100 °C
- high stability and low rope vibration during paper feeding
- excellent abrasion resistance
- very low elongation

COMPACT UNO

diameter (mm)	8,5	10	11	12
weight (g/m)	33,7	37,7	56,4	57,8
length on a reel (m/ft)	600/1968	600/1968	500/1640	400/1312
rope tension (kg)	18 – 22	20 – 25	22 – 27	25 – 30

For further info please contact your local distributor or LANEX experts (www.lanex.cz).

COMPACT R

PRODUCT DESCRIPTION

- compared with the COMPACT UNO, the COMPACT R has a cross-section enabling it to retain its shape
- coreless braided rope with unique 12-strand structure
- strands tightly braided to prevent damage to rope material due to chemical agents and impurities
- polyamide fiber material
- impregnated and thermo-stabilized using a special combination of protective chemicals

APPLICATION

- in paper machines at speeds over 800* m/min
- ideal for coating and size press sections
- high grammage paper production

* indicative value

ADVANTAGES

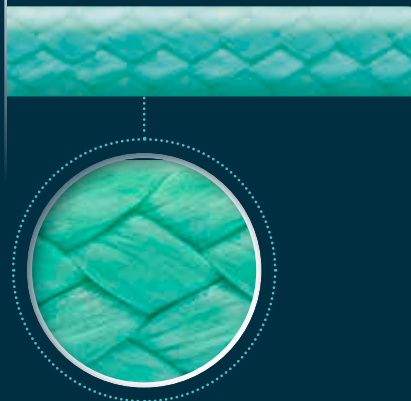
- excellent resistance to moisture and temperatures up to 100 °C
- high stability and low rope vibration during paper feeding to high-speed machines
- excellent abrasion resistance
- very low elongation

COMPACT R

diameter (mm)	8,5	10	11	12
weight (g/m)	30,6	37	57,9	68
length on a reel (m/ft)	600/1968	600/1968	500/1640	500/1640
rope tension (kg)	18 – 22	20 – 25	22 – 27	25 – 30

For further info please contact your local distributor or LANEX experts (www.lanex.cz).

ENDURO UNO



PRODUCT DESCRIPTION

- same construction as COMPACT UNO but with higher-grade protective agents applied to the rope fibers
- coreless braided rope with unique 16-strand structure
- strands tightly braided to prevent damage to rope material due to chemical agents and impurities
- polyamide fiber material
- impregnated and thermo-stabilized using a special combination of protective chemicals

APPLICATION

- ideal for application in sections using highly aggressive chemical agents
- ideal for application in sections operating at temperatures over 100 °C
- in paper machines at speeds up to 800* m/min
- ideal for application in coating and size press sections

* indicative value

ADVANTAGES

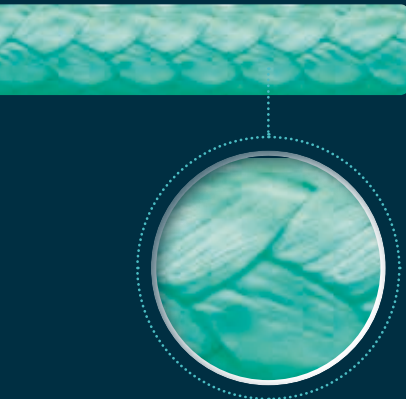
- excellent resistance to the effects of chemical agents used in paper production
- excellent resistance to moisture and temperatures up to 160 °C
- high stability and low rope vibration during paper feeding
- excellent abrasion resistance
- very low elongation

ENDURO UNO

diameter (mm)	8,5	10	11	12
weight (g/m)	32,9	38,5	58,7	67,3
length on a reel (m/ft)	600/1968	600/1968	500/1640	400/1312
rope tension (kg)	18 – 22	20 – 25	22 – 27	25 – 30

For further info please contact your local distributor or LANEX experts (www.lanex.cz).

ENDURO R



PRODUCT DESCRIPTION

- same construction as COMPACT R but with higher-grade protective agents applied to the rope fibers
- coreless braided rope with unique 12-strand structure
- strands tightly braided to prevent damage to rope material due to chemical agents and impurities
- circular cross-section providing similar performance to ropes with inner core
- polyamide fiber material
- impregnated and thermo-stabilized using a special combination of protective chemicals



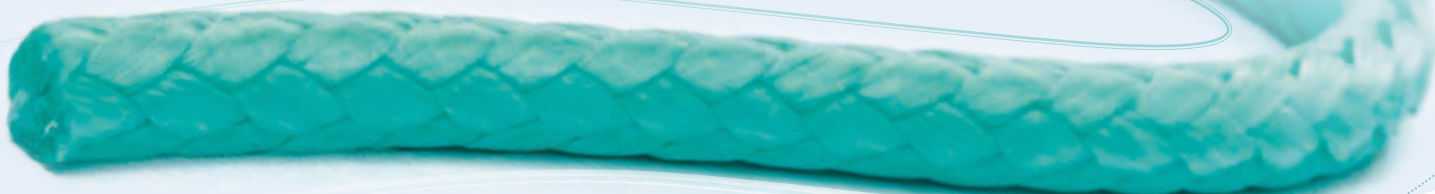
APPLICATION

- ideal for application in sections using highly aggressive chemical agents
- ideal for application in sections operating at temperatures up to 160 °C
- in paper machines at speeds over 800* m/min
- ideal for application in coating and size press sections
- high grammage paper production

* indicative value

ADVANTAGES

- high stability and low rope vibration during paper feeding
- excellent resistance to the effects of chemical agents used in paper production
- excellent resistance to moisture and temperatures up to 160 °C
- high stability and low rope vibration during paper feeding
- excellent abrasion resistance
- very low elongation



ENDURO R

diameter (mm)	8,5	10	11	12
weight (g/m)	29,3	37,1	55,8	66,7
length on a reel (m/ft)	600/1968	600/1968	500/1640	400/1312
rope tension (kg)	18 – 22	20 – 25	22 – 27	25 – 30

For further info please contact your local distributor or LANEX experts (www.lanex.cz).

EXTRALINE UNO



PRODUCT DESCRIPTION

- monofilament fiber sheath around each yarn
- coreless braided rope

APPLICATION

- universal application in paper machine sections requiring high adhesion of the rope to the paper
- paper machines at speeds up to 600* m/min
- low grammage paper up to 140* g/m²

* indicative value

ADVANTAGES

- excellent adhesion of the rope to the paper tail
- excellent abrasion resistance
- excellent resistance to the effects of chemical agents and moisture

EXTRALINE UNO

diameter (mm)	8,5	10	11	12
weight (g/m)	29,5	47,2	53	58,5
length on a reel (m/ft)	600/1968	600/1968	500/1640	400/1312
rope tension (kg)	18 – 22	20 – 25	22 – 27	25 – 30

For further info please contact your local distributor or LANEX experts (www.lanex.cz).

EXTRALINE DUO

PRODUCT DESCRIPTION

- monofilament fiber sheath around each yarn
- braided rope with supportive inner core

APPLICATION

- universal application in paper machine sections requiring high adhesion of the rope to the paper tail
- paper machines at speeds over 600* m/min
- high-grammage paper over 140* g/m²

* indicative value

ADVANTAGES

- excellent adhesion of the rope to the paper tail
- excellent abrasion resistance
- excellent resistance to chemical agents and moisture
- high stability and low rope vibration during paper feeding

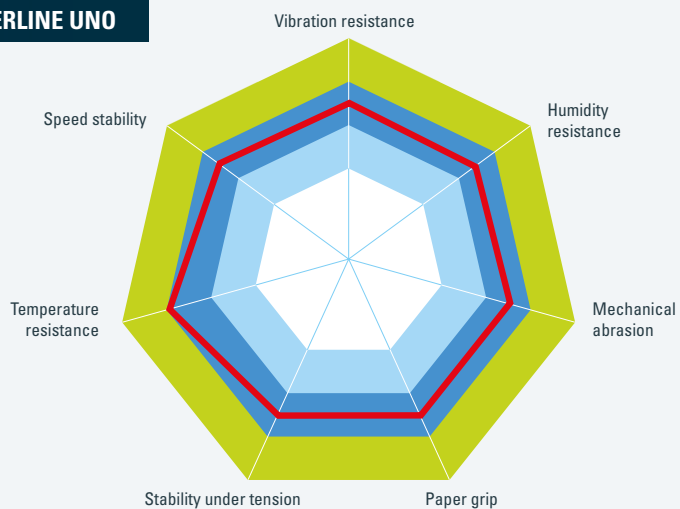
EXTRALINE DUO

diameter (mm)	10	11	12
weight (g/m)	59,4	62,75	73,3
length on a reel (m/ft)	600/1968	500/1640	400/1312
rope tension (kg)	20 – 25	22 – 27	25 – 30

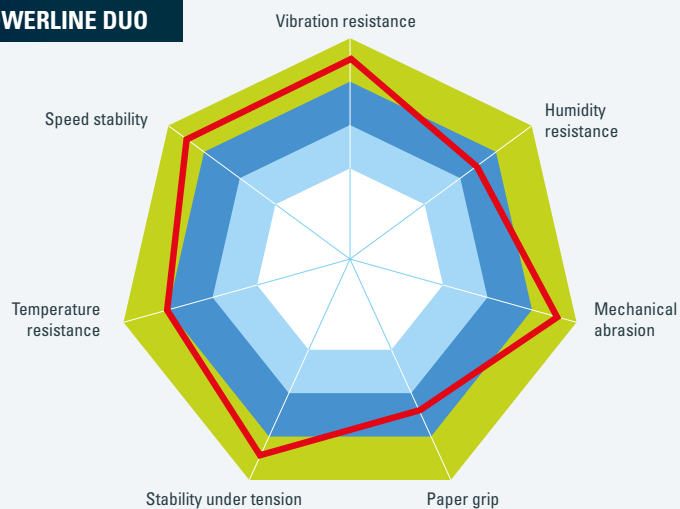
For further info please contact your local distributor or LANEX experts (www.lanex.cz).

CHARACTERISTICS OF ROPES

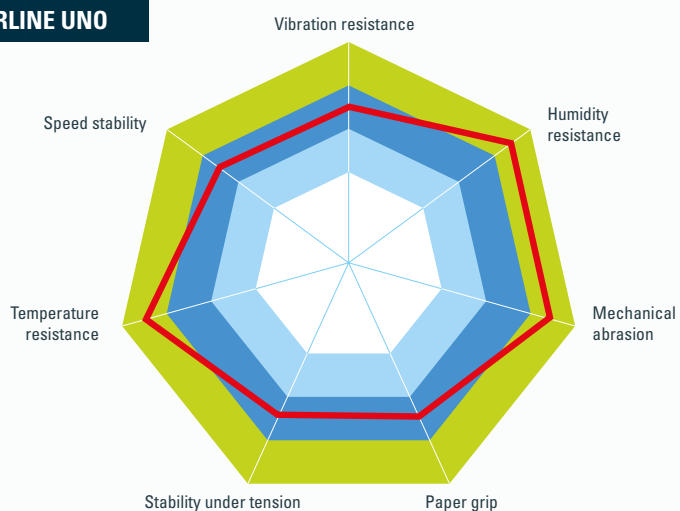
POWERLINE UNO



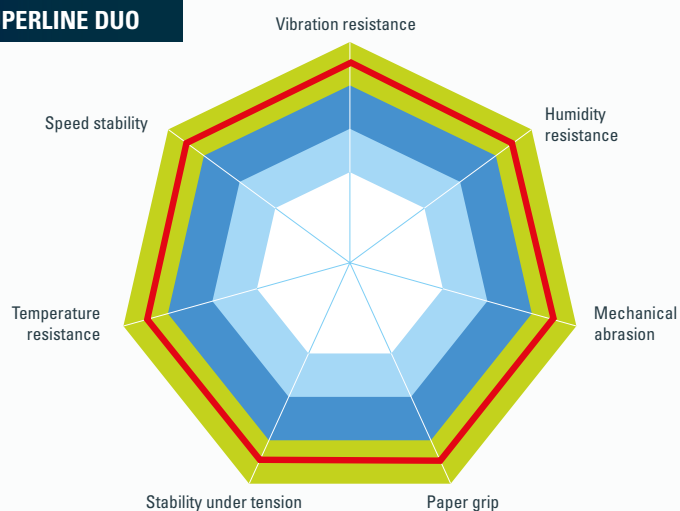
POWERLINE DUO



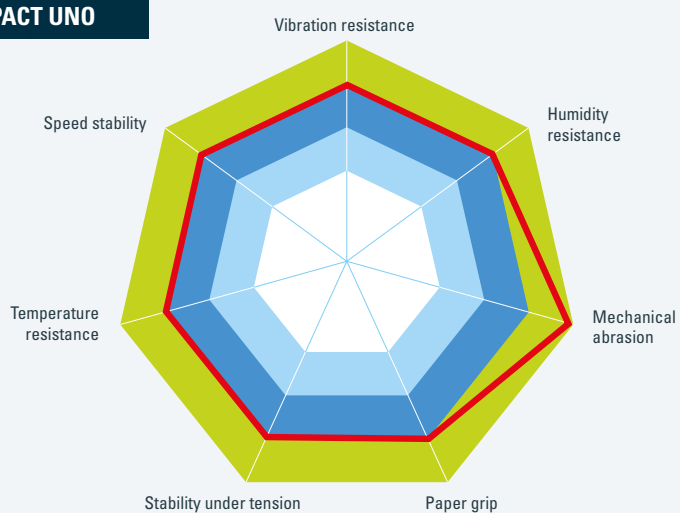
SUPERLINE UNO



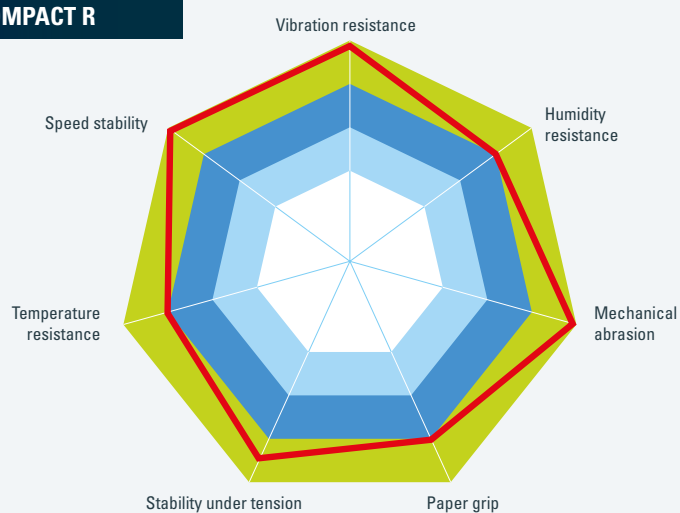
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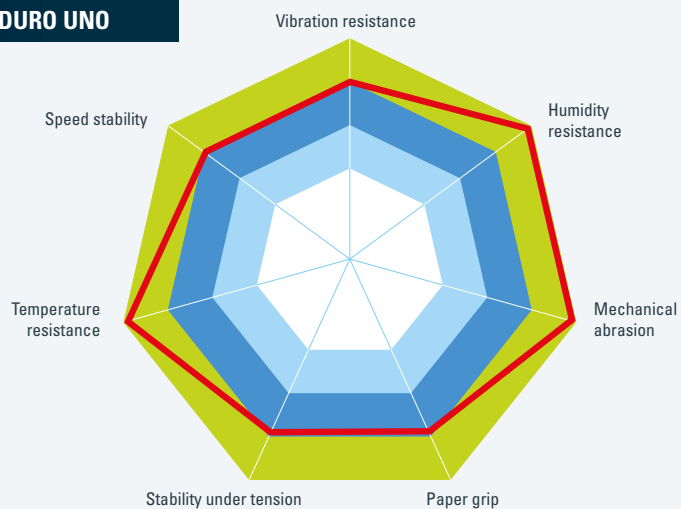
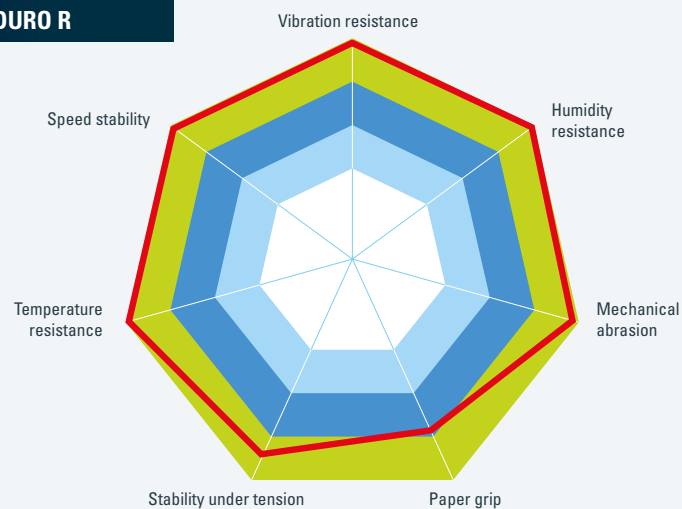
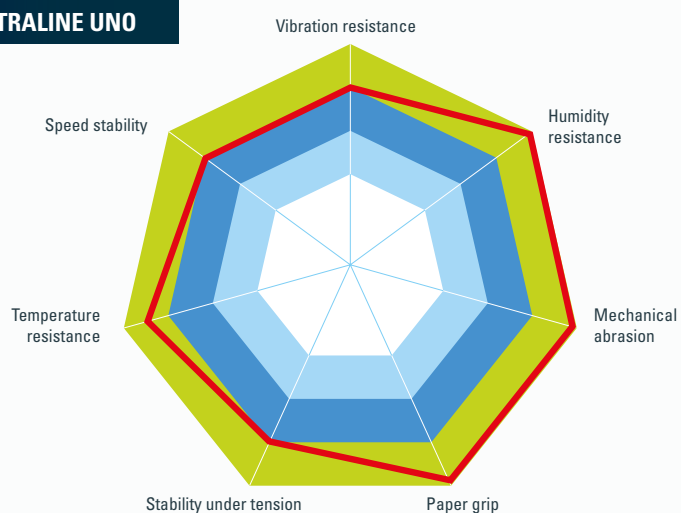
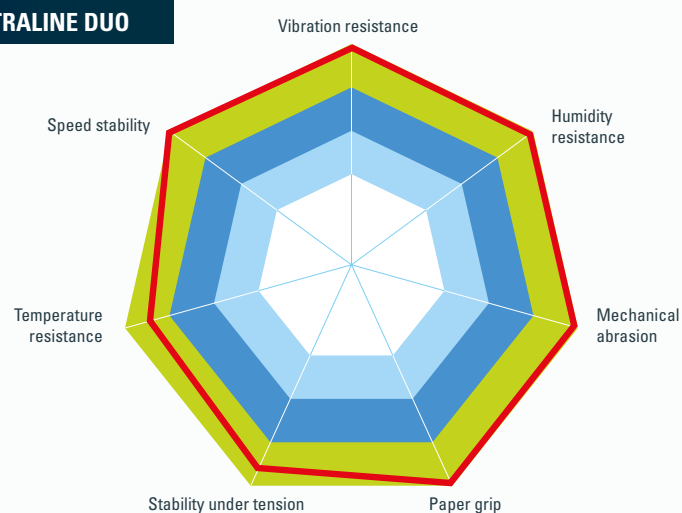


COMPACT UNO



COMPACT R



ENDURO UNO**ENDURO R****EXTRALINE UNO****EXTRALINE DUO**

- Rope
- zone of rope excellency
- zone of high performance ropes
- zone of very good ropes
- zone of common ropes



ACCESSORIES FOR LANEX PAPER CARRIER ROPES

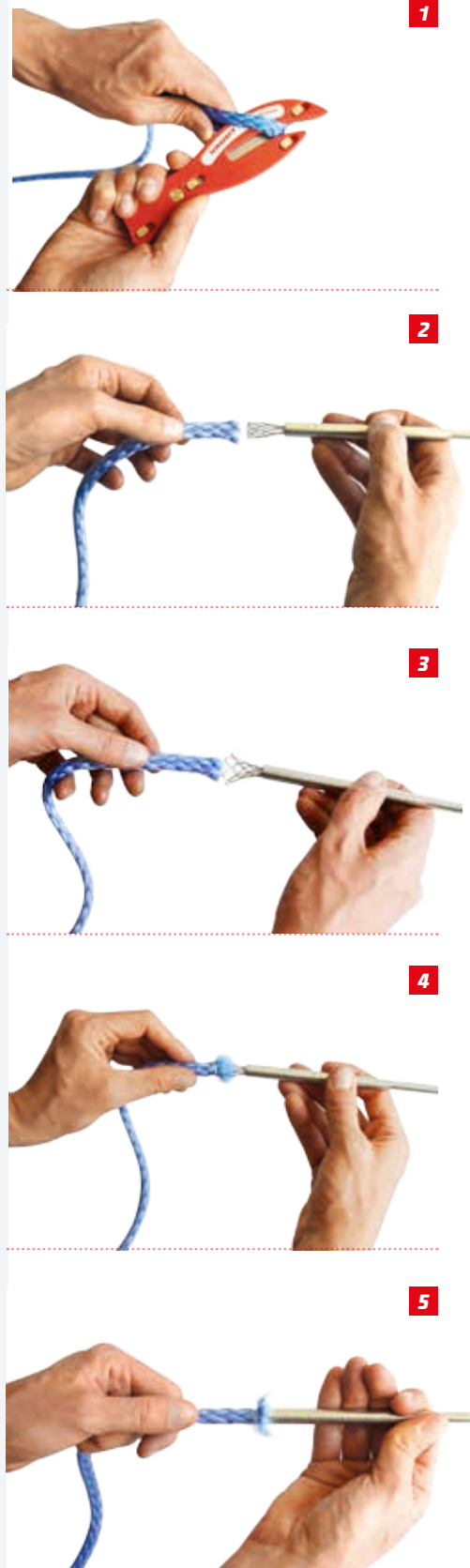
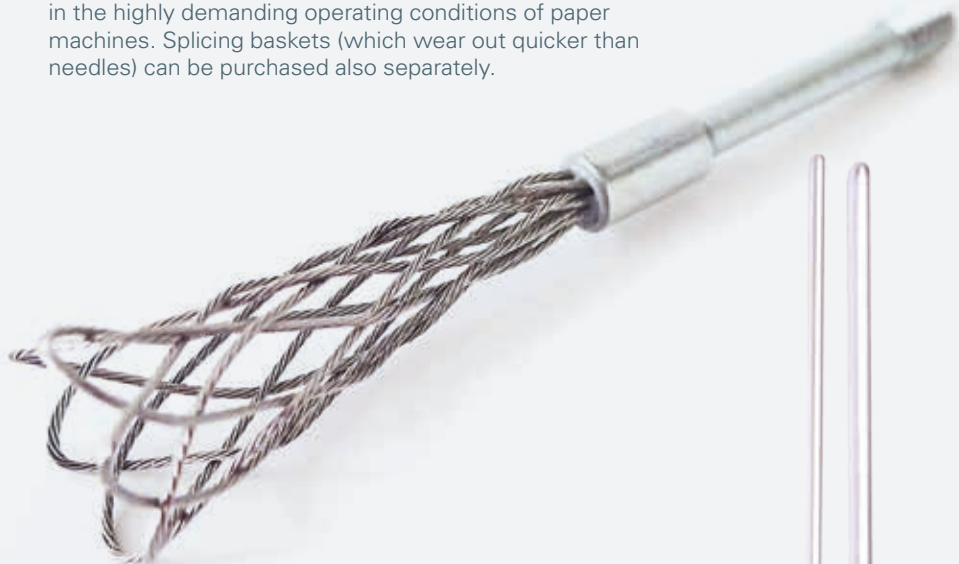
SPLICING NEEDLE

In order to ensure your LANEX paper carrier ropes achieve their maximum service lifetime, it is essential for them to be correctly spliced using the right tools.

LANEX supplies splicing needles in two sizes

- narrow needles for splicing ropes with diameter up to 11.5 mm
- wide needles for splicing ropes with diameter from 12 mm upwards

LANEX splicing needles are specially designed for use in the highly demanding operating conditions of paper machines. Splicing baskets (which wear out quicker than needles) can be purchased also separately.





ROPE TENSIONER FOR SPLICING

LANEX also supplies this special tensioning device to simplify the splicing process for paper carrier ropes.



SAFE ROPE CUTTER

LANEX's special rope cutter – nicknamed the BIG FISH because of its shape – is a simple, popular and very safe tool for cutting ropes.

- very safe operation – minimal risk of injury
- ideal for safe splicing in conjunction with a LANEX splicing needle



ROPE CART

When feeding ropes into the rope run, it is essential that the ropes are unreeled in a horizontal direction. Vertical unreeling causes the rope to twist, which reduces its service lifetime. To ensure correct unreeling, LANEX supplies a specially designed cart holding 3 reels of paper carrier rope.

- easy, problem-free horizontal unreeling
- easier handling of rope reels
- stores 3 reels at once
- keeps the rope clean and relatively dry

PACKAGING

■ 360 x 360 x 485 mm

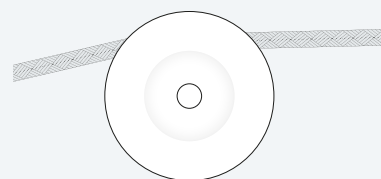
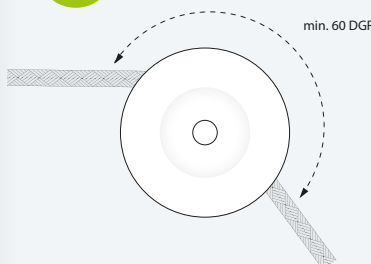
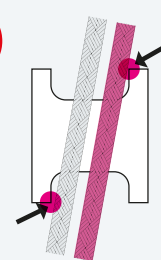
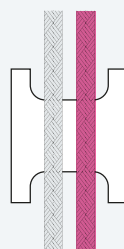
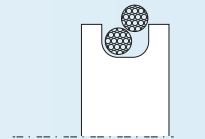
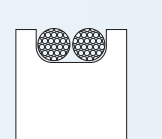
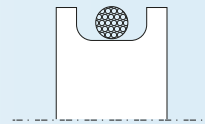
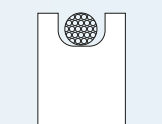
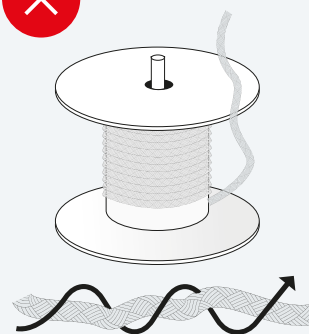
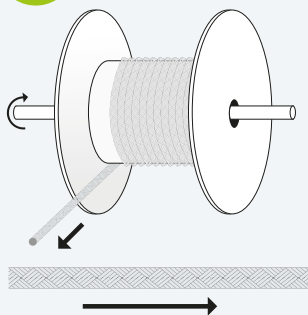


SPLICING INSTRUCTIONS – DVD

Around 30% of the performance of a paper carrier rope depends on correct splicing. Incorrect splicing can severely reduce the service lifetime of a paper carrier rope (to just 10% of its standard lifetime). To help operators splice paper carrier ropes correctly, LANEX has produced an instruction video giving a step-by-step guide to the correct splicing technique.

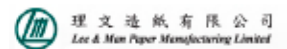
The video is available

- at <http://www.lanex.cz/en/splicing-instructions>
- on DVD – just ask your local LANEX distributor (or contact us directly)
- you can contact your local LANEX distributor to arrange an on-site training session at your factory (www.lanex.cz)





LANEX REFERENCE LIST



and many others...



LANEX a.s.
Hlučinská 96/1, 747 23
Bolatice, Czech Republic

Phone: +420 553 751 386
Fax: +420 553 654 125
E-mail: pcr@lanex.cz
www.lanex.cz

lanex
You can be sure