



verope 
rely on

End stops for
**mobile cranes
& crawler cranes**

verope Special Wire Ropes

Construction Industry **applications**

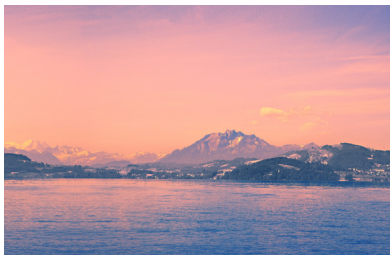
The construction industry has never been more complex, building projects constantly increase. This means the requirements for the used cranes and ropes are also on the rise. verope offers various ropes, rope end fittings and customer-specific special solutions tailored to the construction industry.

verope provides a global retailer network for special wire ropes to serve the customers wherever the products are needed.

verope offers the following services:

- Technical customer service
 - Technical advice
 - Rope inspections
 - Theoretical rope service life calculation
- A broad range of rope tests such as:
 - Tensile test up to 2500 kN
 - Bending fatigue test for various rope diameters
 - Various tests to determine the rotational behavior of ropes
 - Elongation measurement
 - Modulus of elasticity determination
 - Test to measure the rope flexibility
 - Diameter reduction under load measurement
 - Lateral stiffness determination

verope sites:



verope AG/Headquarters – Zug, Switzerland



verope Service Center GmbH – Contwig, Germany



verope Distribution Singapore Pte. Ltd. – Singapore



verope USA – Houston, USA



LTI Steel Wire Rope Co. Ltd. – Shanghai, China



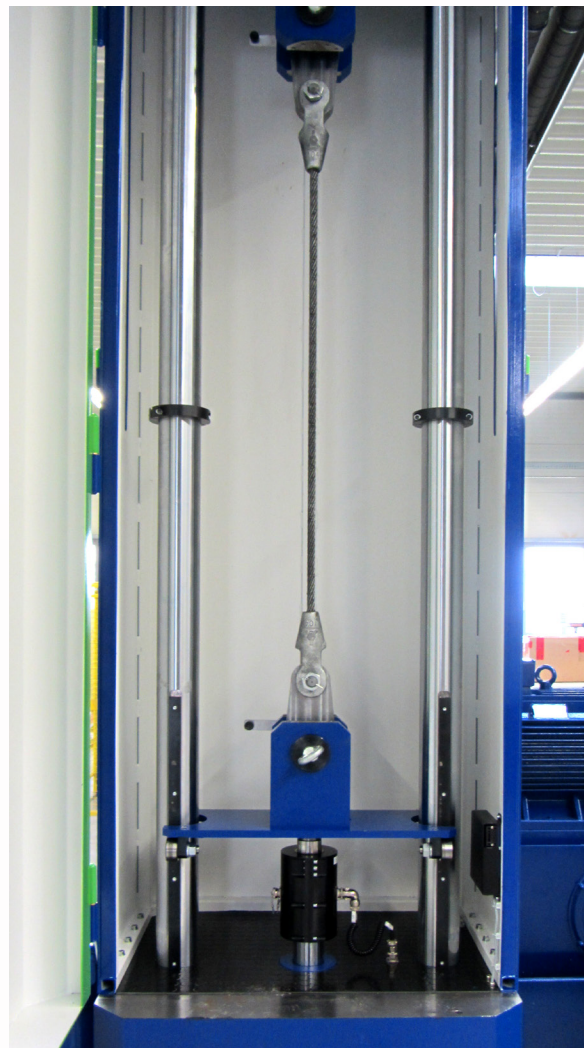
verope do Brasil – Resende, Brazil

verope Pulsator

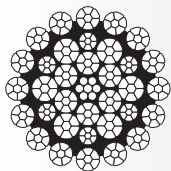
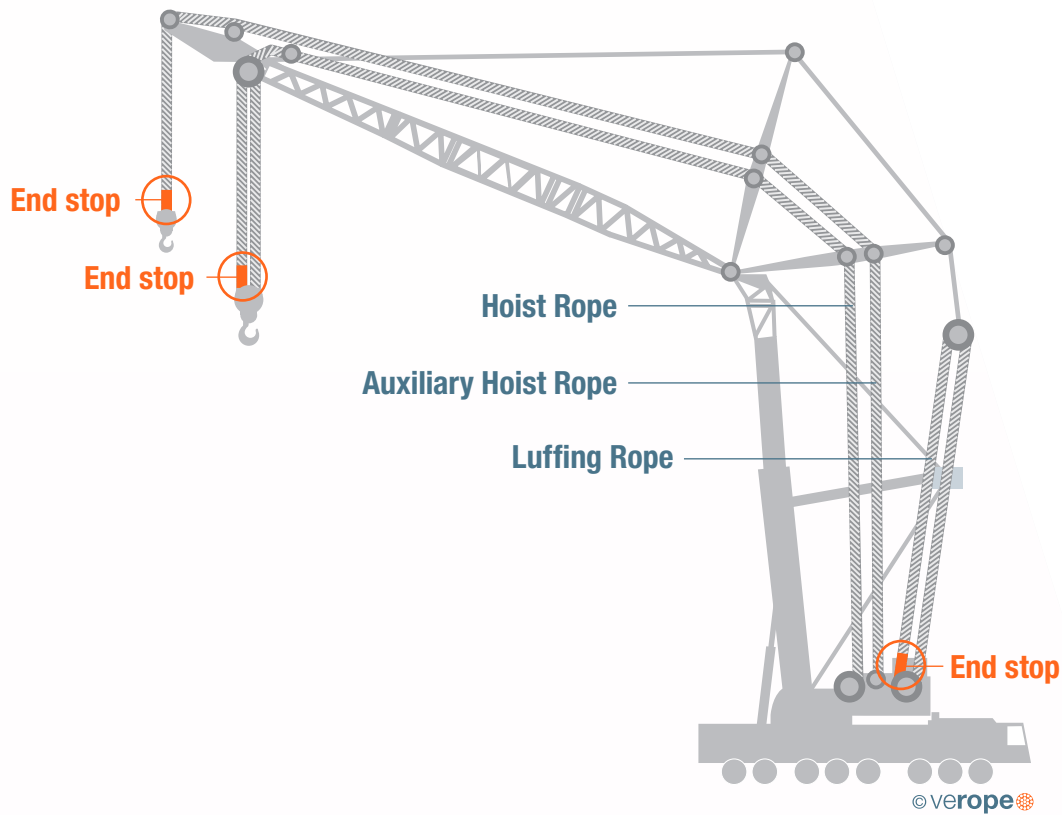
Since the end of the year 2015 verope has restocked its machinery for cyclic mechanical testing. To test verope special wire ropes and verope special wire rope end-terminations a tension-tension pulsator with a nominal force of 300kN was introduced at verope Service Center/ Germany. A maximum frequency of 5 Hz allows a fast test execution but leads to very big efforts the machine has to handle. Therefore a power of 75 kW is necessary with a maximum volume flow of 150 l / min for the hydraulic oil.

This is to reach the maximum requirements for the test of ropes with a length of over 2.5 m. Typical hydraulic aggregates run with its nominal power steadily. With 75 kW the verope machine would waste a lot of energy especially when testing short rope lengths with short rope elongation. This unique pulsator of verope has also its advantages when regarding it with economical and environmental background because the aggregate gets controlled by a frequency inverter on a way that only the needed power gets supplied. The rope is arranged in a vertical way during the test what lowers the disturbing influence of the rope weight and also optimises the space demand of the machine with 5 m height.

With this machine verope is able to test the system of special wire ropes and corresponding end-terminations in the best way to confirm the performance in tension-tension fatigue. The availability of this own in-house tension-tension machine will help the verope engineers to increase the focus onto the lifetime of the special wire ropes and special wire rope end-terminations steadily. This is the perfect addition to verope's existing machinery as the two state-of-the-art bending fatigue machines or the unique torque tester.



Mobile Crane / Telescopic Crane

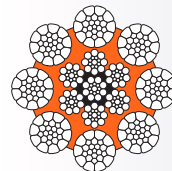


verotop

- very flexible
- rotation-resistant
- compacted strands

Hoist Rope

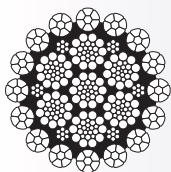
Auxiliary Hoist Rope



veropro 8

- 8-strand
- non-rotation resistant
- compacted outer strands
- rope core covered with a plastic layer

Luffing Rope

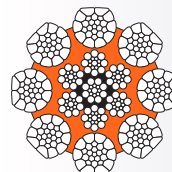


verotop S

- very flexible
- rotation-resistant
- compacted outer strands
- very high breaking strength

Hoist Rope

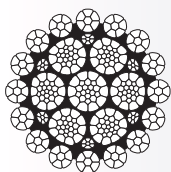
Auxiliary Hoist Rope



veropro 8 RS

- rotary swaged, 8-strand
- non-rotation resistant
- compacted outer strands
- rope core covered with a plastic layer

Luffing Rope

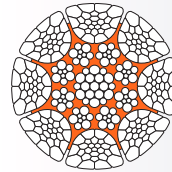


verotop S+

- very flexible
- rotation-resistant
- compacted outer strands
- extraordinary breaking strength

Hoist Rope

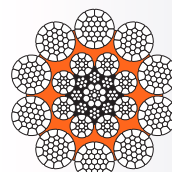
Auxiliary Hoist Rope



veropower 8²

- rotary swaged, 8-strand
- non-rotation resistant
- parallel lay construction
- compacted outer strands
- rope core covered with a plastic layer

Luffing Rope



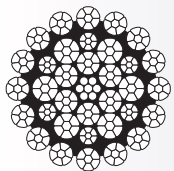
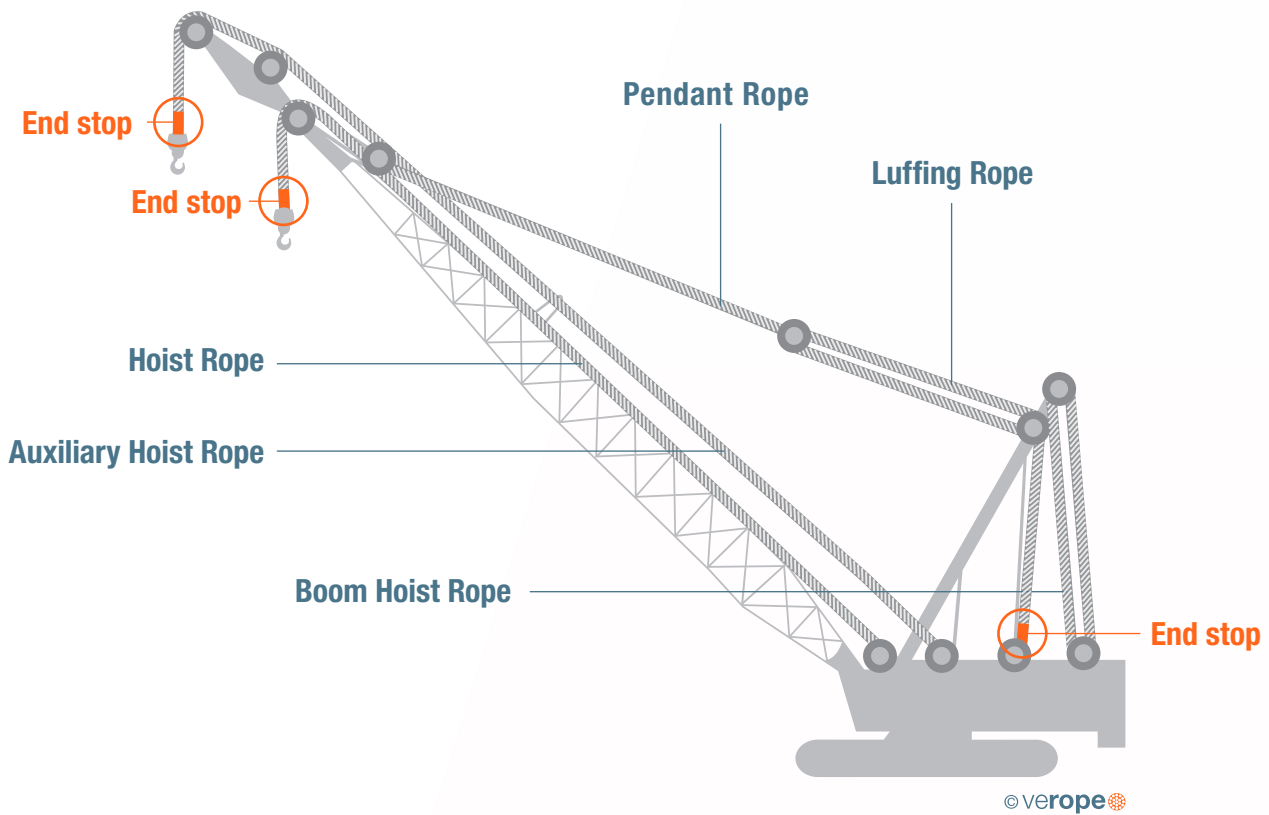
veropro 10¹

- 10-strand, very flexible
- non-rotation resistant
- compacted strands
- rope core covered with a plastic layer

Luffing Rope

¹ Only available from 30 mm diameter | ² For special applications

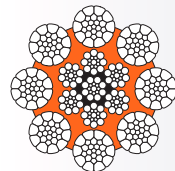
Crawler Crane



verotop

- very flexible
- rotation-resistant
- compacted strands

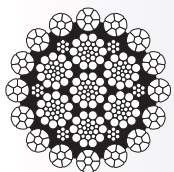
Hoist Rope
Auxiliary Hoist Rope



veropro 8

- 8-strand
- non-rotation resistant
- compacted outer strands
- rope core covered with a plastic layer

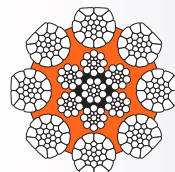
Luffing Rope
Boom Hoist Rope
Pendant Rope



verotop S

- very flexible
- rotation-resistant
- compacted outer strands
- very high breaking strength

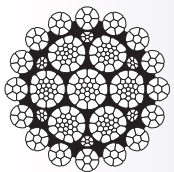
Hoist Rope
Auxiliary Hoist Rope



veropro 8 RS

- rotary swaged, 8-strand
- non-rotation resistant
- compacted outer strands
- rope core covered with a plastic layer

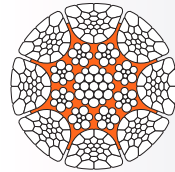
Luffing Rope
Boom Hoist Rope
Pendant Rope



verotop S+

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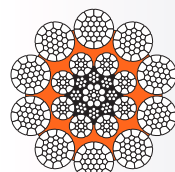
Hoist Rope
Auxiliary Hoist Rope



veropower 8²

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Luffing Rope
Boom Hoist Rope
Pendant Rope



veropro 10¹

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Luffing Rope
Boom Hoist Rope
Pendant Rope

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End stops

verope offers, with the self-developed socketing end stops (VESS) based on the specifications of the crane manufacturers, a broad product portfolio for many kinds of reeving system.

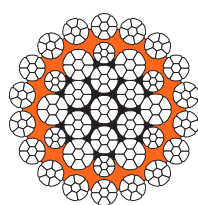
Due to the existing certification procedures our distributors will be also able to offer their customers, shorter delivery times, the necessary support and the ability to replace, if appropriate, the existing end termination on site.

verope's technical team can look back on many years of experience and the successful use of end terminations in a plurality of ranges.

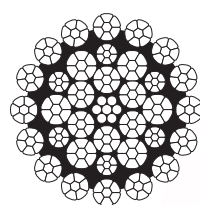
In addition to the crane specific end terminations, verope also offers customer-specific special solutions, specially designed after your technical requirements and the type of application. Together with you, verope will find the best solution with a highest level of quality and efficiency.



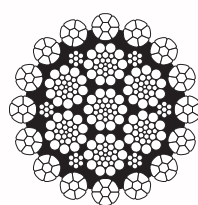
Special wire ropes for applications in **Construction Industry**



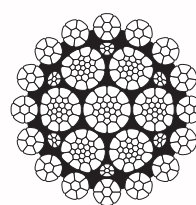
verotop **P**



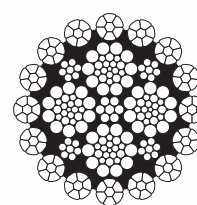
verotop



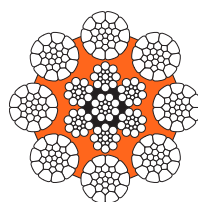
verotop **S**



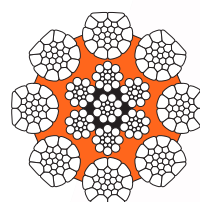
verotop **S+**



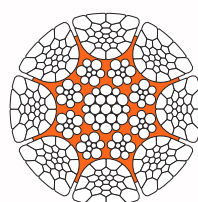
verotop **E**



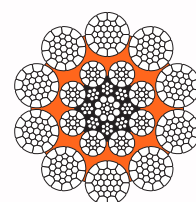
veropro **8**



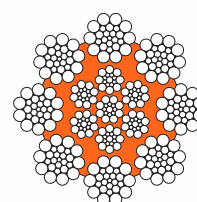
veropro **8 RS**



veropower **8**



veropro **10**



verostar **8**

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