

verope®

rely on

New edition
2017 / 04

General Catalog

Overhead Crane



Tower Crane



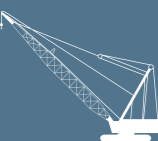
Foundation Equipment



Telescopic Crane



Crawler Crane



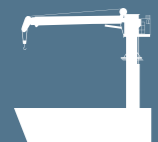
Mobile Harbour Crane



Straddle Carriers



Deck Crane



Gantry Crane (STS)



RTG



Offshore Crane



verope 
rely on



“Over the past few years till today verope Special Wire Ropes demonstrate in diverse and demanding crane applications worldwide their high performance and reliability.”

verope AG is a Joint Venture company between Pierre Verreet, head and founder of verope, and Kiswire Ltd. from South Korea.

The concept of verope is to design and to manufacture high quality crane ropes that suit best the different requirements as well as to provide affordable high quality products and services to the market.

Over the past few years till today verope Special Wire Ropes demonstrate in diverse and demanding crane applications worldwide their high performance and reliability. This is our incentive, to develop consistently further the company verope together with our partners.

We are proud to present you with this catalog, in addition to proven also newly developed verope Special Wire Ropes, recognized by leading crane manufacturers.

Besides continuous product development verope is increasingly investing in service and logistics. Our service centers in Singapore, China and Germany make an important contribution to the regional customer service today. verope AG products and services are certified by LRQA in accordance with ISO 9001:2008.

The ever-expanding verope team remains your reliable partner who advises you on the best and most competitive rope construction for your application. The basis for this is our high quality product range that you can rely on.

Your requirements are our focus.

Pierre Verreet

verope AG

St. Antons-Gasse 4a
CH-6300 Zug / Switzerland
Tel: +41 (0) 41 72 80 880
Fax: +41 (0) 41 72 80 888

www.verope.com
info@verope.com

| | |
|-------------|-----------------------|
| verotop | P. 10–11 ¹ |
| verotop E | P. 16–17 ¹ |
| verostar 8 | P. 20–21 ³ |
| veropro 8 | P. 22–23 |
| veropower 8 | P. 26–27 ⁵ |
| veropro 10 | P. 28–29 |
| verotech 10 | P. 30–31 |
| verosteel 8 | P. 32–33 ² |

| | |
|-------------|----------|
| verotop | P. 10–11 |
| verotop E | P. 16–17 |
| verostar 8 | P. 20–21 |
| veropro 8 | P. 22–23 |
| veropower 8 | P. 26–27 |

| | |
|-------------|----------|
| verotop P | P. 6–7 |
| verotop | P. 10–11 |
| verostar 8 | P. 20–21 |
| veropro 8 | P. 22–23 |
| veropower 8 | P. 26–27 |

| | |
|--------------|-----------------------|
| verotop | P. 10–11 |
| verotop S | P. 12–13 |
| verotop S+ | P. 14–15 |
| veropro 8 | P. 22–23 |
| veropro 8 RS | P. 24–25 |
| veropower 8 | P. 26–27 ⁵ |
| veropro 10 | P. 28–29 ⁶ |

| | |
|--------------|-----------------------|
| verotop | P. 10–11 |
| verotop S | P. 12–13 |
| verotop S+ | P. 14–15 |
| veropro 8 | P. 22–23 |
| veropro 8 RS | P. 24–25 |
| veropower 8 | P. 26–27 ⁵ |
| veropro 10 | P. 28–29 ⁶ |

| | |
|--------------|-----------------------|
| verostar 8 | P. 20–21 ³ |
| veropro 8 | P. 22–23 |
| veropro 8 RS | P. 24–25 |
| veropower 8 | P. 26–27 ⁵ |
| veropro 10 | P. 28–29 |

| | |
|------------|-----------------------|
| verostar 8 | P. 20–21 ³ |
| veropro 8 | P. 22–23 |

| | |
|--------------|-----------------------|
| verotop P | P. 6–7 |
| verotop XP | P. 8–9 |
| vero 4 | P. 18–19 ⁴ |
| veropro 8 | P. 22–23 |
| veropro 8 RS | P. 24–25 |
| veropower 8 | P. 26–27 ⁵ |
| veropro 10 | P. 28–29 |

| | |
|--------------|-----------------------|
| verostar 8 | P. 20–21 ³ |
| veropro 8 | P. 22–23 |
| veropro 8 RS | P. 24–25 |
| veropower 8 | P. 26–27 ⁵ |
| veropro 10 | P. 28–29 |

| | |
|------------|-----------------------|
| verostar 8 | P. 20–21 ³ |
| veropro 8 | P. 22–23 |

| | |
|--------------|-----------------------|
| verotop P | P. 6–7 |
| verotop | P. 10–11 |
| veropro 8 | P. 22–23 |
| veropro 8 RS | P. 24–25 |
| veropower 8 | P. 26–27 ⁵ |
| veropro 10 | P. 28–29 |

Product Overview

This catalog is designed to help our customers to select the appropriate special wire rope from our broad product range.

Please use the orange tab to the right in order to gain an overview and quickly switch from one product to another.

Using the blue tab to the left you can compare which rope is suitable for which application. Please note that each rope construction has specific product features, tailored to specific application requirements. For more information, refer to the individual product data sheets. We would be happy to advise you on the best rope construction that suits your application.

For your convenience we have added, alongside the relevant metric dimensions, commonly used English units by conversion such as lb/feet for the rope's length mass and tons (of 2000 lbs) for the rope's minimum breaking force.

Regarding the important discard criteria for visible broken wires we have converted our details to the International Standard ISO 4309. Please also read the „Important Information“ on page 35!

The data shown in this catalog are correct at the time of printing. Subject to modifications, the specifications may change, errors and omissions excepted!

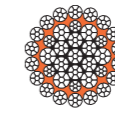
Remarks regarding the product selection when using the blue tap to the left

For single layer spooling ordinary lay ropes have to be used.

- 1) In case rotation-resistant rope is needed
- 2) Used in steel mills, where high temperatures are involved
- 3) Preferably on single layer drum
- 4) Grab application
- 5) For special applications
- 6) Only available from 30 mm diameter

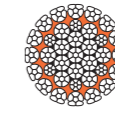
Rotation-resistant special wire ropes

verotop P
P. 6–7



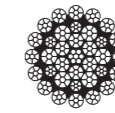
verotop P is a rotation-resistant rope with compacted strands and a rope core covered with a plastic layer.

verotop XP
P. 8–9



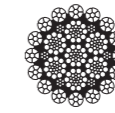
verotop XP is a rotary swaged rotation-resistant rope with compacted strands and a rope core covered with a plastic layer.

verotop
P. 10–11



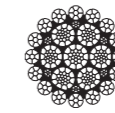
verotop is a very flexible rotation-resistant rope with compacted strands.

verotop S
P. 12–13



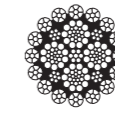
verotop S is a very flexible rotation-resistant rope with compacted outer strands and very high breaking strength.

verotop S+
P. 14–15



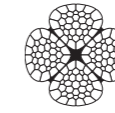
verotop S+ is a very flexible rotation-resistant rope with compacted outer strands and extraordinary breaking strength.

verotop E
P. 16–17



verotop E is a flexible rotation-resistant rope with compacted outer strands.

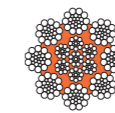
vero 4
P. 18–19



vero 4 is a 4-strand rotation-resistant rope with compacted strands.

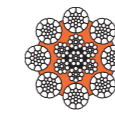
Non-rotation-resistant special wire ropes

verostar 8
P. 20–21



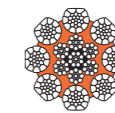
verostar 8 is an 8-strand, non-rotation-resistant rope with conventional strands and a rope core covered with a plastic layer.

veropro 8
P. 22–23



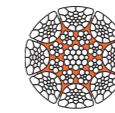
veropro 8 is an 8-strand, non-rotation-resistant rope with compacted outer strands and a rope core covered with a plastic layer.

veropro 8 RS
P. 24–25



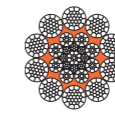
veropro 8 RS is a rotary swaged 8-strand, non-rotation resistant rope with compacted outer strands and a rope core covered with a plastic layer.

veropower 8
P. 26–27



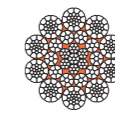
veropower 8 is a rotary swaged 8-strand, non-rotation resistant rope in parallel lay construction with compacted outer strands and a rope core covered with a plastic layer.

veropro 10
P. 28–29



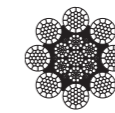
veropro 10 is a very flexible 10-strand, non-rotation-resistant rope with compacted strands and a rope core covered with a plastic layer.

verotech 10
P. 30–31



verotech 10 is a very flexible 10-strand, non-rotation resistant rope in parallel lay construction with compacted strands and a rope core covered with a plastic layer.

verosteel 8
P. 32–33

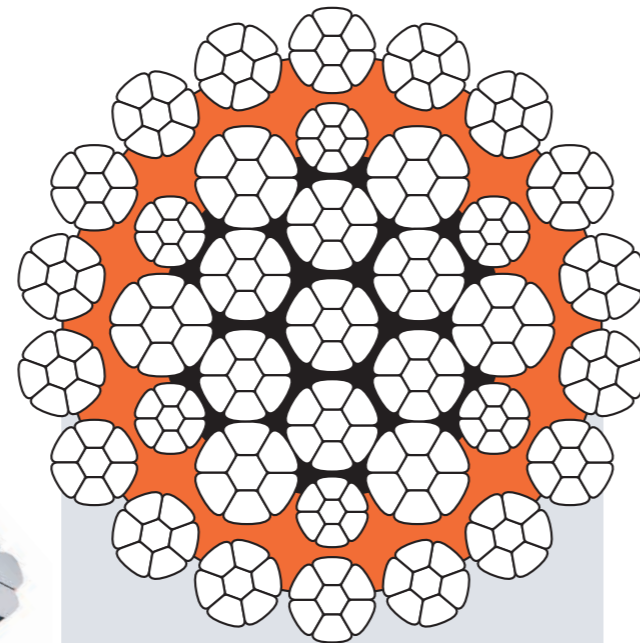
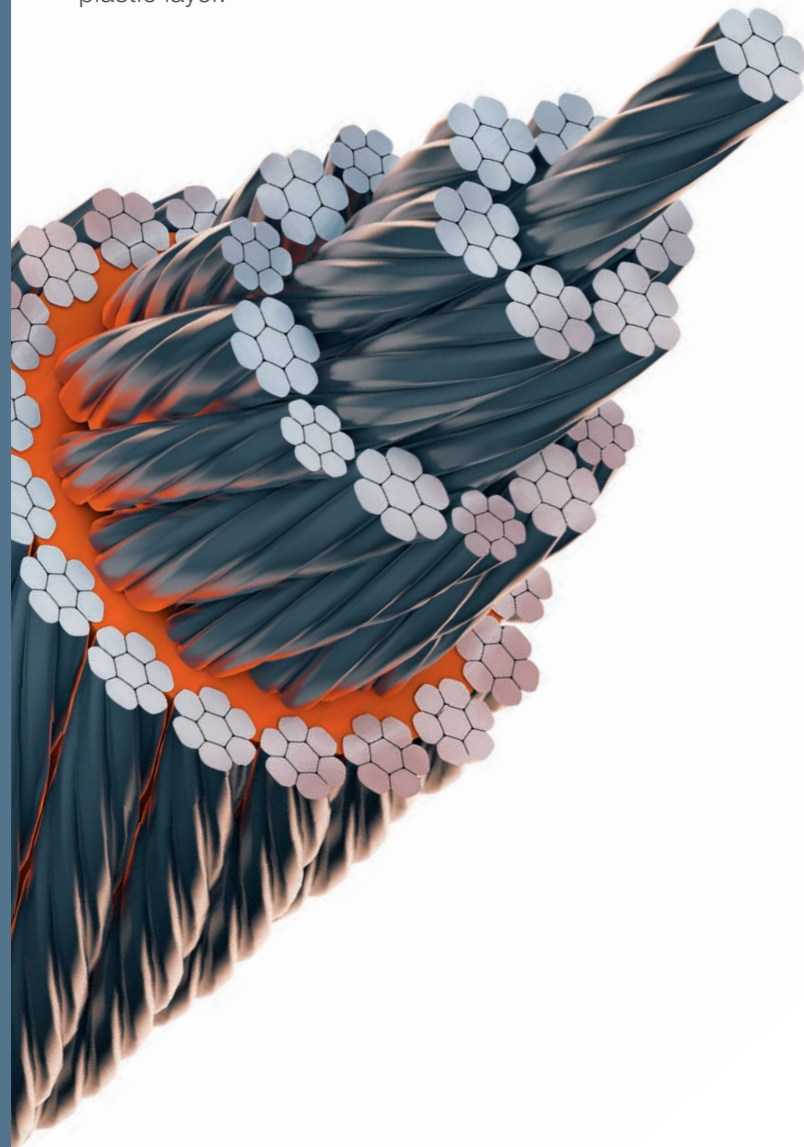


verosteel 8 is an 8-strand, non-rotation-resistant rope with compacted outer strands.

Provides a very stable rope structure and achieves excellent bending fatigue results.

verotop P

is a rotation-resistant rope with compacted strands and a rope core covered with a plastic layer.



- verotop P has a very high breaking strength.
- verotop P provides a very stable rope structure and achieves excellent bending fatigue results.
- verotop P offers excellent crushing and very good abrasion resistance.
- verotop P possesses perfect spooling behavior on multilayer drum.
- verotop P can be used either with or without swivel.
- verotop P is a category 1 rotation-resistant rope in accordance with ASTM A1023.

The rope is fully lubricated. The finish available as standard is galvanized, bright finish on request. • Average fill factor 0.730 • Ordinary or Lang Lay available • Rope Category Number (RCN) to determine the number of visible broken outer wires, signaling discard of rope acc. ISO 4309: RCN = 23-3 Further details: www.verope.com/en/RCN

| Nominal rope diameter | | Approx mass | Minimum breaking force | | | |
|-----------------------|-------|-------------|------------------------|-------|-------|-------|
| | | | Rope grade | | | |
| | | | 1960 | | 2160 | |
| mm* | Inch | kg/m | kN | t | kN | t |
| 16 | 5/8 | 1.248 | 241.7 | 24.6 | 252.7 | 25.7 |
| 17 | | 1.408 | 272.8 | 27.8 | 285.3 | 29.1 |
| 18 | | 1.579 | 305.8 | 31.2 | 319.8 | 32.6 |
| 19 | 3/4 | 1.759 | 340.8 | 34.7 | 356.3 | 36.3 |
| 20 | | 1.949 | 377.6 | 38.5 | 394.8 | 40.2 |
| 21 | | 2.149 | 416.3 | 42.4 | 435.3 | 44.4 |
| 22 | | 2.359 | 456.9 | 46.6 | 477.7 | 48.7 |
| 22.4 | | 2.445 | 473.6 | 48.3 | 495.3 | 50.5 |
| 23 | | 2.578 | 499.3 | 50.9 | 522.2 | 53.2 |
| 24 | | 2.807 | 543.7 | 55.4 | 568.6 | 57.9 |
| 25 | | 3.046 | 590.0 | 60.1 | 616.9 | 62.9 |
| 25.4 | 1 | 3.144 | 609.0 | 62.1 | 636.8 | 64.9 |
| 26 | | 3.294 | 638.1 | 65 | 667.3 | 68 |
| 27 | | 3.553 | 688.1 | 70.1 | 719.6 | 73.3 |
| 28 | | 3.821 | 740.1 | 75.4 | 773.9 | 78.9 |
| 28.6 | 1-1/8 | 3.986 | 772.1 | 78.7 | 807.4 | 82.3 |
| 29 | | 4.099 | 793.9 | 80.9 | 830.1 | 84.6 |
| 30 | | 4.386 | 849.6 | 86.6 | 888.4 | 90.5 |
| 31 | | 4.683 | 907.1 | 92.4 | 948.6 | 96.7 |
| 32 | 1-1/4 | 4.990 | 966.6 | 98.5 | 1011 | 103 |
| 33 | | 5.307 | 1028 | 104.7 | 1075 | 109.5 |
| 34 | | 5.634 | 1091 | 111.2 | 1141 | 116.3 |
| 35 | 1-3/8 | 5.970 | 1156 | 117.8 | 1209 | 123.2 |
| 36 | | 6.316 | 1223 | 124.7 | 1279 | 130.4 |
| 38 | 1-1/2 | 7.037 | 1363 | 138.9 | 1425 | 145.2 |
| 40 | | 7.797 | 1510 | 153.9 | 1579 | 160.9 |
| 42 | | 8.597 | 1665 | 169.7 | 1741 | 177.4 |
| 43 | | 9.011 | 1745 | 177.9 | 1825 | 186 |
| 44 | | 9.435 | 1827 | 186.2 | 1911 | 194.7 |
| 45 | 1-3/4 | 9.869 | 1911 | 194.8 | 1999 | 203.7 |
| 46 | | 10.312 | 1997 | 203.5 | 2089 | 212.8 |
| 48 | | 11.228 | 2175 | 221.6 | 2274 | 231.7 |
| 50 | 2 | 12.183 | 2360 | 240.5 | 2468 | 251.5 |
| 52 | | 13.178 | 2552 | 260.1 | 2669 | 272 |
| 54 | 2-1/8 | 14.211 | 2753 | 280.5 | 2878 | 293.3 |

verotop P/2015/10/v2.0

* Standard tolerance: +2% to +4%, other tolerances possible upon agreement. Other and special rope diameters are available upon request.

| Nominal rope diameter | | Approx mass | | Minimum breaking force tons ¹ of 2000 lbs | |
|-----------------------|-------|--------------------|--------------------|--|-------|
| | | | | Rope grade | |
| | | | | 1960 | 2160 |
| mm* | Inch | lb/ft ¹ | kg/ft ¹ | 1960 | 2160 |
| 16 | 5/8 | 0.84 | 0.38 | 27.2 | 28.4 |
| 17 | | 0.95 | 0.43 | 30.7 | 32.1 |
| 18 | | 1.06 | 0.48 | 34.4 | 35.9 |
| 19 | 3/4 | 1.18 | 0.54 | 38.3 | 40.1 |
| 20 | | 1.31 | 0.59 | 42.4 | 44.4 |
| 21 | | 1.44 | 0.66 | 46.8 | 48.9 |
| 22 | | 1.58 | 0.72 | 51.4 | 53.7 |
| 22.4 | | 1.64 | 0.75 | 53.2 | 55.7 |
| 23 | | 1.73 | 0.79 | 56.1 | 58.7 |
| 24 | | 1.89 | 0.86 | 61.1 | 63.9 |
| 25 | | 2.05 | 0.93 | 66.3 | 69.3 |
| 25.4 | 1 | 2.11 | 0.96 | 68.5 | 71.6 |
| 26 | | 2.21 | 1 | 71.7 | 75 |
| 27 | | 2.39 | 1.08 | 77.3 | 80.9 |
| 28 | | 2.57 | 1.16 | 83.2 | 87 |
| 28.6 | 1-1/8 | 2.68 | 1.22 | 86.8 | 90.8 |
| 29 | | 2.75 | 1.25 | 89.2 | 93.3 |
| 30 | | 2.95 | 1.34 | 95.5 | 99.9 |
| 31 | | 3.15 | 1.43 | 102 | 106.6 |
| 32 | 1-1/4 | 3.35 | 1.52 | 108.6 | 113.6 |
| 33 | | 3.57 | 1.62 | 115.5 | 120.8 |
| 34 | | 3.79 | 1.72 | 122.7 | 128.3 |
| 35 | 1-3/8 | 4.01 | 1.82 | 130 | 135.9 |
| 36 | | 4.24 | 1.93 | 137.5 | 143.8 |
| 38 | 1-1/2 | 4.73 | 2.15 | 153.2 | 160.2 |
| 40 | | 5.24 | 2.38 | 169.8 | 177.5 |
| 42 | | 5.78 | 2.62 | 187.2 | 195.7 |
| 43 | | 6.06 | 2.75 | 196.2 | 205.1 |
| 44 | | 6.34 | 2.88 | 205.4 | 214.8 |
| 45 | 1-3/4 | 6.63 | 3.01 | 214.9 | 224.7 |
| 46 | | 6.93 | 3.14 | 224.5 | 234.8 |
| 48 | | 7.55 | 3.42 | 244.5 | 255.6 |
| 50 | 2 | 8.19 | 3.71 | 265.2 | 277.4 |
| 52 | | 8.85 | 4.02 | 286.9 | 300 |
| 54 | 2-1/8 | 9.55 | 4.33 | 309.4 | 323.5 |

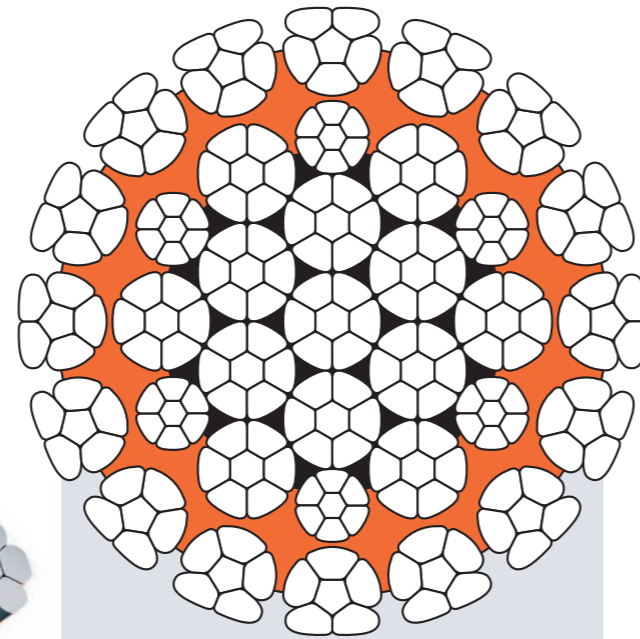
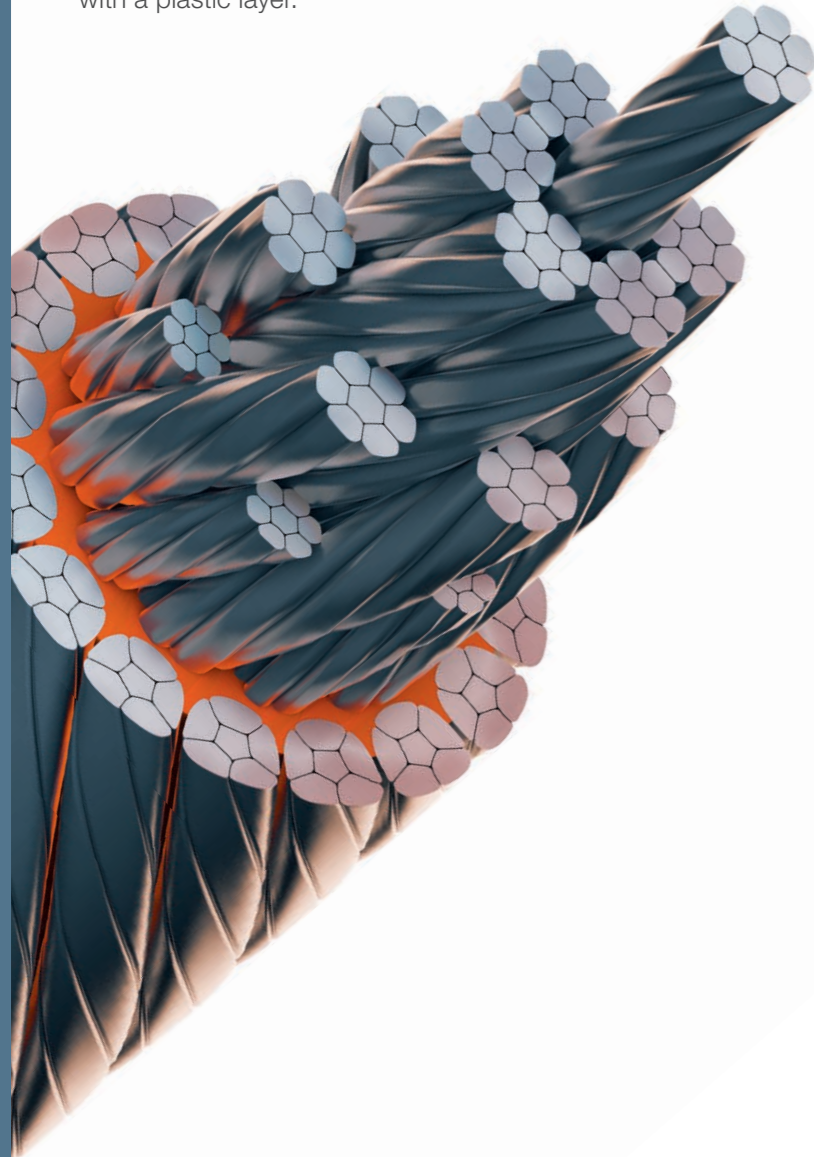
1) The values are indicative only. Authoritative figures remain the metric ones!

Errors and omissions excepted! The cross-section shows a typical rope diameter and can vary within the range. Subject to modifications, this may change the specifications. Relevant is our website.

Offers superior crushing resistance and best resistance to abrasion.

verotop XP

is a rotary swaged rotation-resistant rope with compacted strands and a rope core covered with a plastic layer.



- verotop XP is the strongest of all rotation-resistant ropes.
- verotop XP has a very stable rope structure and achieves good bending fatigue results.
- verotop XP offers superior crushing resistance and best resistance to abrasion.
- verotop XP possesses perfect spooling behavior on multilayer drum.
- verotop XP can be used either with or without swivel.
- verotop XP is a category 1 rotation-resistant rope in accordance with ASTM A1023.

The rope is fully lubricated. The finish available as standard is galvanized, bright finish on request. • Average fill factor 0.745 • Ordinary or Lang Lay available • Rope Category Number (RCN) to determine the number of visible broken outer wires, signaling discard of rope acc. ISO 4309: RCN = 23-1 Further details: www.verope.com/en/RCN

verotop XP/2015/10/v2.0

| Nominal rope diameter | | Approx mass | Minimum breaking force | | | |
|-----------------------|-------|-------------|------------------------|-------|-------|-------|
| | | | Rope grade | | | |
| | | | 1960 | | 2160 | |
| mm* | Inch | kg/m | kN | t | kN | t |
| 12 | | 0.720 | 140.4 | 14.3 | 152.9 | 15.6 |
| 12.7 | 1/2 | 0.807 | 157.2 | 16 | 171.2 | 17.4 |
| 13 | | 0.845 | 164.7 | 16.8 | 179.4 | 18.3 |
| 14 | | 0.981 | 191.1 | 19.5 | 208.1 | 21.2 |
| 15 | | 1.126 | 219.3 | 22.4 | 238.9 | 24.3 |
| 16 | 5/8 | 1.281 | 249.6 | 25.4 | 271.8 | 27.7 |
| 17 | | 1.446 | 281.7 | 28.7 | 306.8 | 31.3 |
| 18 | | 1.621 | 315.8 | 32.2 | 344.0 | 35.1 |
| 19 | 3/4 | 1.806 | 351.9 | 35.9 | 383.3 | 39.1 |
| 20 | | 2.001 | 389.9 | 39.7 | 424.7 | 43.3 |
| 21 | | 2.206 | 429.9 | 43.8 | 468.2 | 47.7 |
| 22 | | 2.421 | 471.8 | 48.1 | 513.8 | 52.4 |
| 22.4 | | 2.510 | 489.1 | 49.8 | 532.7 | 54.3 |
| 23 | | 2.646 | 515.7 | 52.5 | 561.6 | 57.2 |
| 24 | | 2.882 | 561.5 | 57.2 | 611.5 | 62.3 |
| 25 | | 3.127 | 609.3 | 62.1 | 663.5 | 67.6 |
| 25.4 | 1 | 3.228 | 628.9 | 64.1 | 684.9 | 69.8 |
| 26 | | 3.382 | 659.0 | 67.1 | 717.7 | 73.1 |
| 27 | | 3.647 | 710.6 | 72.4 | 773.9 | 78.9 |
| 28 | | 3.922 | 764.3 | 77.9 | 832.3 | 84.8 |
| 28.6 | 1-1/8 | 4.092 | 797.4 | 81.3 | 868.4 | 88.5 |
| 29 | | 4.207 | 819.8 | 83.5 | 892.8 | 91 |
| 30 | | 4.503 | 877.3 | 89.4 | 955.5 | 97.4 |
| 31 | | 4.808 | 936.8 | 95.5 | 1020 | 104 |
| 32 | 1-1/4 | 5.123 | 998.2 | 101.7 | 1087 | 110.8 |
| 33 | | 5.448 | 1062 | 108.2 | 1156 | 117.8 |
| 34 | | 5.783 | 1127 | 114.8 | 1227 | 125.1 |
| 35 | 1-3/8 | 6.128 | 1194 | 121.7 | 1301 | 132.5 |
| 36 | | 6.484 | 1263 | 128.7 | 1376 | 140.2 |
| 38 | 1-1/2 | 7.224 | 1408 | 143.4 | 1533 | 156.2 |
| 40 | | 8.004 | 1560 | 158.9 | 1699 | 173.1 |
| 41.3 | 1-5/8 | 8.533 | 1663 | 169.4 | 1811 | 184.5 |
| 42 | | 8.825 | 1720 | 175.2 | 1873 | 190.8 |
| 44 | | 9.685 | 1887 | 192.3 | 2055 | 209.4 |
| 45 | 1-3/4 | 10.131 | 1974 | 201.2 | 2150 | 219.1 |
| 46 | | 10.586 | 2063 | 210.2 | 2246 | 228.9 |
| 47.5 | 1-7/8 | 11.288 | 2199 | 224.1 | 2395 | 244.1 |
| 48 | | 11.526 | 2246 | 228.9 | 2446 | 249.3 |

* Standard tolerance: +2% to +4%, other tolerances possible upon agreement. Other and special rope diameters are available upon request.

Errors and omissions excepted! The cross-section shows a typical rope diameter and can vary within the range. Subject to modifications, this may change the specifications. Relevant is our website.

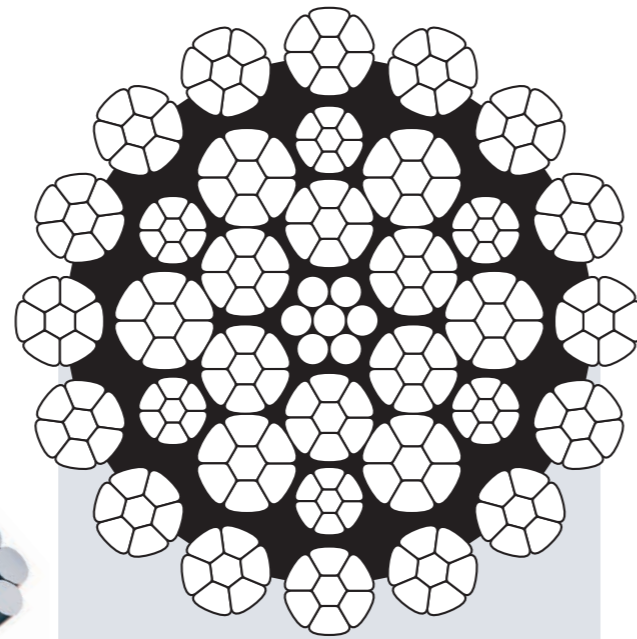
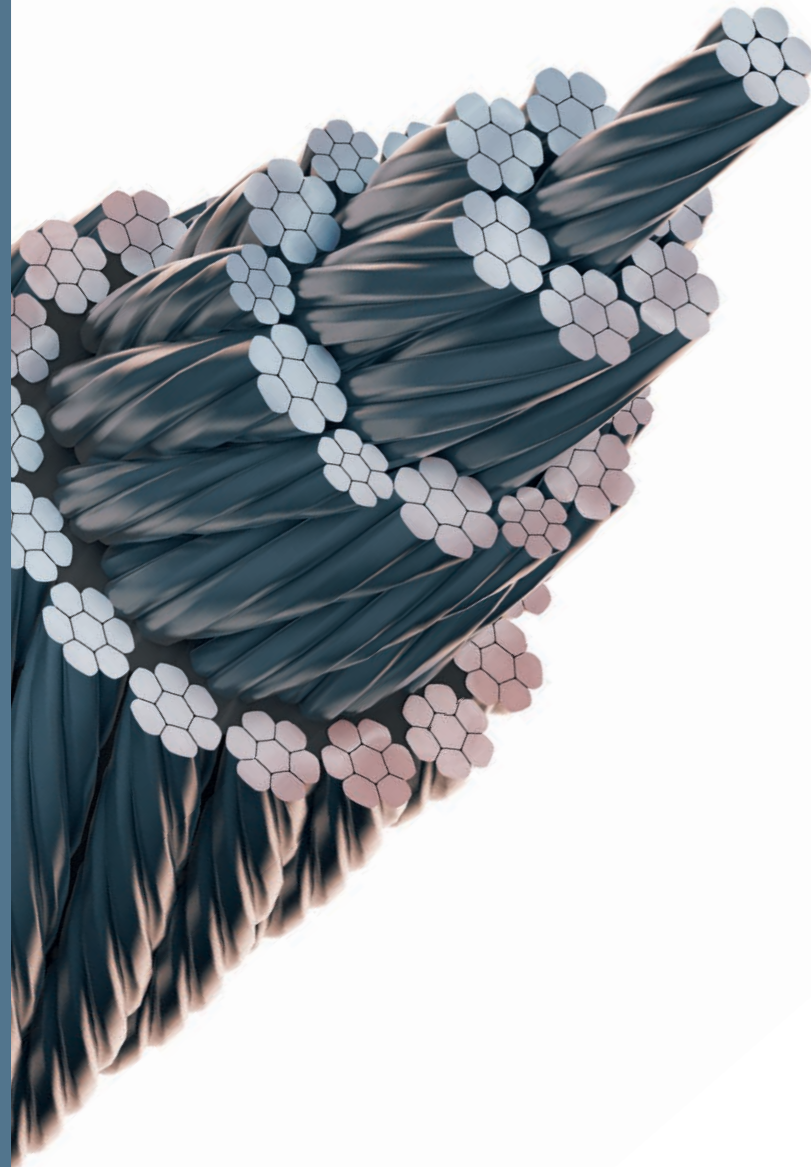
| Nominal rope diameter | | Approx mass | | Minimum breaking force tons' of 2000 lbs | |
|-----------------------|-------|--------------------|--------------------|--|-------|
| | | | | Rope grade | |
| | | | | 1960 | 2160 |
| mm* | Inch | lb/ft ¹ | kg/ft ¹ | 1960 | 2160 |
| 12 | | 0.48 | 0.22 | 15.8 | 17.2 |
| 12.7 | 1/2 | 0.54 | 0.25 | 17.7 | 19.2 |
| 13 | | 0.57 | 0.26 | 18.5 | 20.2 |
| 14 | | 0.66 | 0.3 | 21.5 | 23.4 |
| 15 | | 0.76 | 0.34 | 24.7 | 26.8 |
| 16 | 5/8 | 0.86 | 0.39 | 28 | 30.5 |
| 17 | | 0.97 | 0.44 | 31.7 | 34.5 |
| 18 | | 1.09 | 0.49 | 35.5 | 38.7 |
| 19 | 3/4 | 1.21 | 0.55 | 39.6 | 43.1 |
| 20 | | 1.34 | 0.61 | 43.8 | 47.7 |
| 21 | | 1.48 | 0.67 | 48.3 | 52.6 |
| 22 | | 1.63 | 0.74 | 53 | 57.8 |
| 22.4 | | 1.69 | 0.77 | 55 | 59.9 |
| 23 | | 1.78 | 0.81 | 58 | 63.1 |
| 24 | | 1.94 | 0.88 | 63.1 | 68.7 |
| 25 | | 2.1 | 0.95 | 68.5 | 74.6 |
| 25.4 | 1 | 2.17 | 0.98 | 70.7 | 77 |
| 26 | | 2.27 | 1.03 | 74.1 | 80.7 |
| 27 | | 2.45 | 1.11 | 79.9 | 87 |
| 28 | | 2.64 | 1.2 | 85.9 | 93.6 |
| 28.6 | 1-1/8 | 2.75 | 1.25 | 89.6 | 97.6 |
| 29 | | 2.83 | 1.28 | 92.1 | 100.4 |
| 30 | | 3.03 | 1.37 | 98.6 | 107.4 |
| 31 | | 3.23 | 1.47 | 105.3 | 114.7 |
| 32 | 1-1/4 | 3.44 | 1.56 | 112.2 | 122.2 |
| 33 | | 3.66 | 1.66 | 119.3 | 129.9 |
| 34 | | 3.89 | 1.76 | 126.7 | 137.9 |
| 35 | 1-3/8 | 4.12 | 1.87 | 134.2 | 146.2 |
| 36 | | 4.36 | 1.98 | 142 | 154.7 |
| 38 | 1-1/2 | 4.85 | 2.2 | 158.2 | 172.3 |
| 40 | | 5.38 | 2.44 | 175.3 | 190.9 |
| 41.3 | 1-5/8 | 5.73 | 2.6 | 186.9 | 203.5 |
| 42 | | 5.93 | 2.69 | 193.3 | 210.5 |
| 44 | | 6.51 | 2.95 | 212.1 | 231 |
| 45 | 1-3/4 | 6.81 | 3.09 | 221.9 | 241.6 |
| 46 | | 7.11 | 3.23 | 231.8 | 252.5 |
| 47.5 | 1-7/8 | 7.58 | 3.44 | 247.2 | 269.2 |
| 48 | | 7.75 | 3.51 | 252.4 | 274.9 |

1) The values are indicative only. Authoritative figures remain the metric ones!

A superior balanced rope when resistance to rotation becomes most critical.

verotop

is a very flexible rotation-resistant rope with compacted strands.



- verotop has a very high breaking strength.
- verotop achieves very good bending fatigue results.
- verotop offers excellent resistance to crushing and abrasion.
- verotop possesses perfect spooling behavior on multilayer drum.
- verotop can be used either with or without swivel.
- verotop is a category 1 rotation-resistant rope in accordance with ASTM A1023.

The rope is fully lubricated. The finish available is either bright or galvanized. • Average fill factor 0.738 • Lay type: Lang Lay
Rope Category Number (RCN) to determine the number of visible broken outer wires, signaling discard of rope acc. ISO 4309: RCN = 23-2
Further details: www.verope.com/en/RCN

| Nominal rope diameter | | Approx mass | Minimum breaking force | | | |
|-----------------------|-------|-------------|------------------------|-------|-------|-------|
| | | | Rope grade | | | |
| | | | 1960 | | 2160 | |
| mm* | Inch | kg/m | kN | t | kN | t |
| 8 | 5/16 | 0.313 | 61.1 | 6.2 | 62.7 | 6.4 |
| 9 | | 0.397 | 77.3 | 7.9 | 79.4 | 8.1 |
| 10 | | 0.490 | 95.4 | 9.7 | 98.0 | 10 |
| 11 | 7/16 | 0.593 | 115.5 | 11.8 | 118.6 | 12.1 |
| 12 | | 0.705 | 137.4 | 14 | 141.2 | 14.4 |
| 12.7 | 1/2 | 0.790 | 153.9 | 15.7 | 158.1 | 16.1 |
| 13 | | 0.828 | 161.3 | 16.4 | 165.7 | 16.9 |
| 14 | | 0.960 | 187.0 | 19.1 | 192.2 | 19.6 |
| 15 | | 1.102 | 214.7 | 21.9 | 220.6 | 22.5 |
| 16 | 5/8 | 1.254 | 244.3 | 24.9 | 251.0 | 25.6 |
| 17 | | 1.415 | 275.8 | 28.1 | 283.3 | 28.9 |
| 18 | | 1.587 | 309.2 | 31.5 | 317.7 | 32.4 |
| 19 | 3/4 | 1.768 | 344.5 | 35.1 | 353.9 | 36.1 |
| 20 | | 1.959 | 381.7 | 38.9 | 392.2 | 40 |
| 21 | | 2.160 | 420.8 | 42.9 | 432.4 | 44.1 |
| 22 | | 2.371 | 461.9 | 47.1 | 474.5 | 48.4 |
| 22.4 | | 2.458 | 478.8 | 48.8 | 491.9 | 50.1 |
| 23 | | 2.591 | 504.8 | 51.4 | 518.6 | 52.9 |
| 24 | | 2.821 | 549.7 | 56 | 564.7 | 57.5 |
| 25 | | 3.061 | 596.4 | 60.8 | 612.8 | 62.4 |
| 25.4 | 1 | 3.160 | 615.7 | 62.7 | 632.5 | 64.5 |
| 26 | | 3.311 | 645.1 | 65.7 | 662.8 | 67.5 |
| 27 | | 3.571 | 695.7 | 70.9 | 714.7 | 72.8 |
| 28 | | 3.840 | 748.2 | 76.2 | 768.7 | 78.3 |
| 28.6 | 1-1/8 | 4.006 | 780.6 | 79.5 | 802.0 | 81.7 |
| 29 | | 4.119 | 802.6 | 81.8 | 824.5 | 84 |
| 30 | | 4.408 | 858.9 | 87.5 | 882.4 | 89.9 |
| 31 | | 4.707 | 917.1 | 93.4 | 942.2 | 96 |
| 32 | 1-1/4 | 5.015 | 977.2 | 99.6 | 1004 | 102.3 |
| 33 | | 5.334 | 1039 | 105.9 | 1068 | 108.8 |
| 34 | | 5.662 | 1103 | 112.4 | 1133 | 115.5 |
| 35 | 1-3/8 | 6.000 | 1169 | 119.1 | 1201 | 122.4 |
| 36 | | 6.348 | 1237 | 126 | 1271 | 129.5 |
| 38 | 1-1/2 | 7.072 | 1378 | 140.4 | 1416 | 144.3 |
| 40 | | 7.837 | 1527 | 155.6 | 1569 | 159.8 |
| 41 | | 8.233 | 1604 | 163.5 | 1648 | 167.9 |
| 42 | | 8.640 | 1683 | 171.5 | 1729 | 176.2 |
| 43 | | 9.056 | 1764 | 179.8 | 1813 | 184.7 |
| 44 | | 9.482 | 1848 | 188.3 | 1898 | 193.4 |
| 45 | 1-3/4 | 9.918 | 1932 | 196.9 | 1985 | 202.3 |
| 46 | | 10.364 | 2019 | 205.8 | 2075 | 211.4 |
| 48 | | 11.285 | 2199 | 224 | 2259 | 230.2 |
| 50 | 2 | 12.245 | 2386 | 243.1 | 2451 | 249.8 |
| 52 | | 13.244 | 2580 | 262.9 | 2651 | 270.1 |
| 54 | 2-1/8 | 14.282 | 2783 | 283.6 | | |
| 56 | | 15.360 | 2993 | 305 | | |

verotop/2015/10/v2.0

* Standard tolerance: +2% to +4%, other tolerances possible upon agreement. Other and special rope diameters are available upon request.

| Nominal rope diameter | | Approx mass | | Minimum breaking force tons' of 2000 lbs | |
|-----------------------|-------|--------------------|--------------------|--|-------|
| | | | | Rope grade | |
| | | | | 1960 | 2160 |
| mm* | Inch | lb/ft ¹ | kg/ft ¹ | 1960 | 2160 |
| 8 | 5/16 | 0.21 | 0.1 | 6.9 | 7.1 |
| 9 | | 0.27 | 0.12 | 8.7 | 8.9 |
| 10 | | 0.33 | 0.15 | 10.7 | 11 |
| 11 | 7/16 | 0.4 | 0.18 | 13 | 13.3 |
| 12 | | 0.47 | 0.22 | 15.4 | 15.9 |
| 12.7 | 1/2 | 0.53 | 0.24 | 17.3 | 17.8 |
| 13 | | 0.56 | 0.25 | 18.1 | 18.6 |
| 14 | | 0.65 | 0.29 | 21 | 21.6 |
| 15 | | 0.74 | 0.34 | 24.1 | 24.8 |
| 16 | 5/8 | 0.84 | 0.38 | 27.5 | 28.2 |
| 17 | | 0.95 | 0.43 | 31 | 31.8 |
| 18 | | 1.07 | 0.48 | 34.8 | 35.7 |
| 19 | 3/4 | 1.19 | 0.54 | 38.7 | 39.8 |
| 20 | | 1.32 | 0.6 | 42.9 | 44.1 |
| 21 | | 1.45 | 0.66 | 47.3 | 48.6 |
| 22 | | 1.59 | 0.72 | 51.9 | 53.3 |
| 22.4 | | 1.65 | 0.75 | 53.8 | 55.3 |
| 23 | | 1.74 | 0.79 | 56.7 | 58.3 |
| 24 | | 1.9 | 0.86 | 61.8 | 63.5 |
| 25 | | 2.06 | 0.93 | 67 | 68.9 |
| 25.4 | 1 | 2.12 | 0.96 | 69.2 | 71.1 |
| 26 | | 2.22 | 1.01 | 72.5 | 74.5 |
| 27 | | 2.4 | 1.09 | 78.2 | 80.3 |
| 28 | | 2.58 | 1.17 | 84.1 | 86.4 |
| 28.6 | 1-1/8 | 2.69 | 1.22 | 87.7 | 90.1 |
| 29 | | 2.77 | 1.26 | 90.2 | 92.7 |
| 30 | | 2.96 | 1.34 | 96.5 | 99.2 |
| 31 | | 3.16 | 1.44 | 103.1 | 105.9 |
| 32 | 1-1/4 | 3.37 | 1.53 | 109.8 | 112.8 |
| 33 | | 3.58 | 1.63 | 116.8 | 120 |
| 34 | | 3.8 | 1.73 | 124 | 127.4 |
| 35 | 1-3/8 | 4.03 | 1.83 | 131.4 | 135 |
| 36 | | 4.27 | 1.94 | 139 | 142.8 |
| 38 | 1-1/2 | 4.75 | 2.16 | 154.9 | 159.1 |
| 40 | | 5.27 | 2.39 | 171.6 | 176.3 |
| 41 | | 5.53 | 2.51 | 180.3 | 185.2 |
| 42 | | 5.81 | 2.63 | 189.2 | 194.4 |
| 43 | | 6.09 | 2.76 | 198.3 | 203.8 |
| 44 | | 6.37 | 2.89 | 207.7 | 213.3 |
| 45 | 1-3/4 | 6.66 | 3.02 | 217.2 | 223.2 |
| 46 | | 6.96 | 3.16 | 227 | 233.2 |
| 48 | | 7.58 | 3.44 | 247.1 | 253.9 |
| 50 | 2 | 8.23 | 3.73 | 268.2 | 275.5 |
| 52 | | 8.9 | 4.04 | 290 | 298 |
| 54 | | 9.6 | 4.35 | 312.8 | |
| 56 | | 10.32 | 4.68 | 336.4 | |

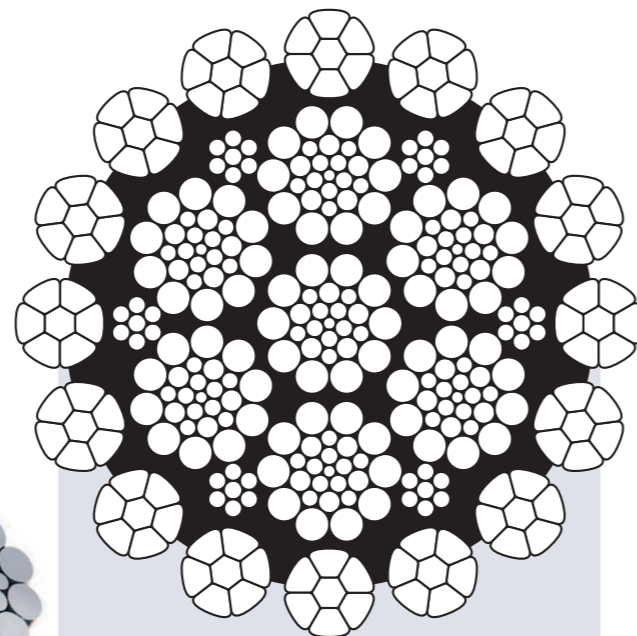
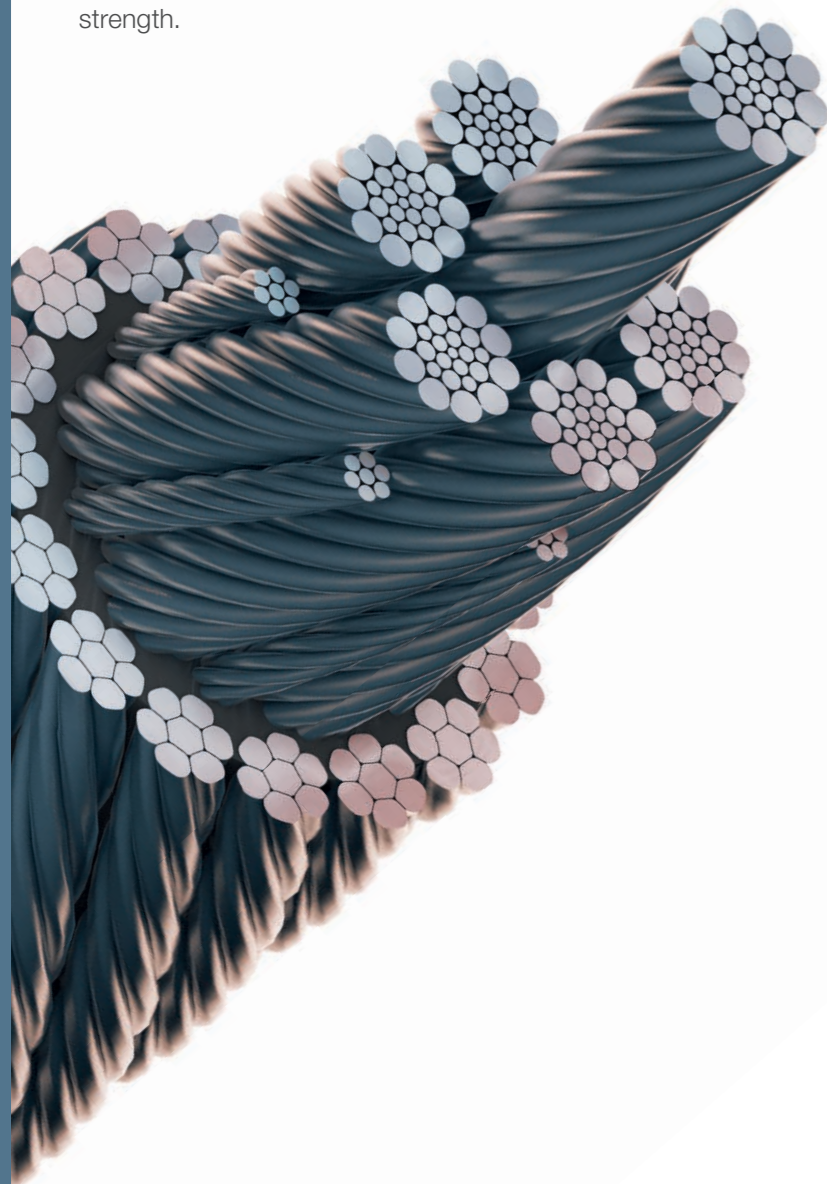
1) The values are indicative only. Authoritative figures remain the metric ones!

Errors and omissions excepted! The cross-section shows a typical rope diameter and can vary within the range. Subject to modifications, this may change the specifications. Relevant is our website.

Provides excellent breaking strength and very good resistance to rotation.

verotop S

is a very flexible rotation-resistant rope with compacted outer strands and very high breaking strength.



- verotop S is a very strong compacted rotation-resistant rope.
- verotop S achieves very good bending fatigue results.
- verotop S offers excellent resistance to crushing and abrasion.
- verotop S possesses perfect spooling behavior on multilayer drum.
- verotop S can be used either with or without swivel.
- verotop S is a category 1 rotation-resistant rope in accordance with ASTM A1023.

The rope is fully lubricated. The finish available is either bright or galvanized. • Average fill factor 0.742 • Lay type: Lang Lay Rope Category Number (RCN) to determine the number of visible broken outer wires, signaling discard of rope acc. ISO 4309: RCN = 23-2 Further details: www.verope.com/en/RCN

| Nominal rope diameter | | Approx mass | Minimum breaking force | | | |
|-----------------------|-------|-------------|------------------------|-------|-------|-------|
| | | | Rope grade | | | |
| | | | 1960 | | 2160 | |
| mm* | Inch | kg/m | kN | t | kN | t |
| 13 | | 0.847 | 166.0 | 16.9 | 172.8 | 17.6 |
| 14 | | 0.982 | 192.5 | 19.6 | 200.4 | 20.4 |
| 15 | | 1.127 | 221.0 | 22.5 | 230.1 | 23.4 |
| 16 | 5/8 | 1.283 | 251.4 | 25.6 | 261.8 | 26.7 |
| 17 | | 1.448 | 283.8 | 28.9 | 295.5 | 30.1 |
| 18 | | 1.623 | 318.2 | 32.4 | 331.3 | 33.8 |
| 19 | 3/4 | 1.809 | 354.5 | 36.1 | 369.2 | 37.6 |
| 20 | | 2.004 | 392.8 | 40 | 409.0 | 41.7 |
| 21 | | 2.210 | 433.1 | 44.1 | 451.0 | 46 |
| 22 | | 2.425 | 475.3 | 48.4 | 494.9 | 50.4 |
| 22.4 | | 2.514 | 492.8 | 50.2 | 513.1 | 52.3 |
| 23 | | 2.651 | 519.5 | 52.9 | 541.0 | 55.1 |
| 24 | | 2.886 | 565.7 | 57.6 | 589.0 | 60 |
| 25 | | 3.132 | 613.8 | 62.5 | 639.1 | 65.1 |
| 25.4 | 1 | 3.233 | 633.6 | 64.6 | 659.7 | 67.2 |
| 26 | | 3.387 | 663.9 | 67.7 | 691.3 | 70.4 |
| 27 | | 3.653 | 715.9 | 73 | 745.5 | 76 |
| 28 | | 3.928 | 770.0 | 78.5 | 801.7 | 81.7 |
| 28.6 | 1-1/8 | 4.099 | 803.3 | 81.9 | 836.5 | 85.2 |
| 29 | | 4.214 | 825.9 | 84.2 | 860.0 | 87.6 |
| 30 | | 4.510 | 883.9 | 90.1 | 920.4 | 93.8 |
| 31 | | 4.815 | 943.8 | 96.2 | 982.7 | 100.1 |
| 32 | 1-1/4 | 5.131 | 1005.7 | 102.5 | 1047 | 106.7 |
| 33 | | 5.457 | 1069 | 109 | 1114 | 113.5 |
| 34 | | 5.792 | 1135 | 115.7 | 1182 | 120.5 |
| 35 | 1-3/8 | 6.138 | 1203 | 122.6 | 1253 | 127.7 |
| 36 | | 6.494 | 1273 | 129.7 | 1325 | 135 |
| 38 | 1-1/2 | 7.235 | 1418 | 144.5 | 1477 | 150.5 |
| 40 | | 8.017 | 1571 | 160.1 | 1636 | 166.7 |

verotop S/2015/10/v1.0

* Standard tolerance: +2% to +4%, other tolerances possible upon agreement. Other and special rope diameters are available upon request.

| Nominal rope diameter | | Approx mass | | Minimum breaking force tons ¹ of 2000 lbs | |
|-----------------------|-------|--------------------|--------------------|--|-------|
| | | | | Rope grade | |
| | | | | 1960 | 2160 |
| mm* | Inch | lb/ft ¹ | kg/ft ¹ | 1960 | 2160 |
| 13 | | 0.57 | 0.26 | 18.7 | 19.4 |
| 14 | | 0.66 | 0.3 | 21.6 | 22.5 |
| 15 | | 0.76 | 0.34 | 24.8 | 25.9 |
| 16 | 5/8 | 0.86 | 0.39 | 28.3 | 29.4 |
| 17 | | 0.97 | 0.44 | 31.9 | 33.2 |
| 18 | | 1.09 | 0.49 | 35.8 | 37.2 |
| 19 | 3/4 | 1.22 | 0.55 | 39.8 | 41.5 |
| 20 | | 1.35 | 0.61 | 44.2 | 46 |
| 21 | | 1.48 | 0.67 | 48.7 | 50.7 |
| 22 | | 1.63 | 0.74 | 53.4 | 55.6 |
| 22.4 | | 1.69 | 0.77 | 55.4 | 57.7 |
| 23 | | 1.78 | 0.81 | 58.4 | 60.8 |
| 24 | | 1.94 | 0.88 | 63.6 | 66.2 |
| 25 | | 2.1 | 0.95 | 69 | 71.8 |
| 25.4 | 1 | 2.17 | 0.99 | 71.2 | 74.2 |
| 26 | | 2.28 | 1.03 | 74.6 | 77.7 |
| 27 | | 2.45 | 1.11 | 80.5 | 83.8 |
| 28 | | 2.64 | 1.2 | 86.5 | 90.1 |
| 28.6 | 1-1/8 | 2.75 | 1.25 | 90.3 | 94 |
| 29 | | 2.83 | 1.28 | 92.8 | 96.7 |
| 30 | | 3.03 | 1.37 | 99.3 | 103.4 |
| 31 | | 3.24 | 1.47 | 106.1 | 110.5 |
| 32 | 1-1/4 | 3.45 | 1.56 | 113 | 117.7 |
| 33 | | 3.67 | 1.66 | 120.2 | 125.2 |
| 34 | | 3.89 | 1.77 | 127.6 | 132.9 |
| 35 | 1-3/8 | 4.12 | 1.87 | 135.2 | 140.8 |
| 36 | | 4.36 | 1.98 | 143.1 | 149 |
| 38 | 1-1/2 | 4.86 | 2.21 | 159.4 | 166 |
| 40 | | 5.39 | 2.44 | 176.6 | 183.9 |

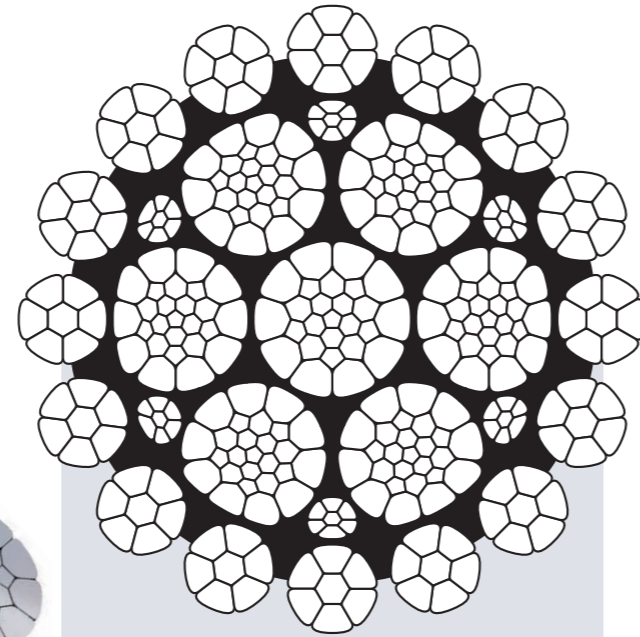
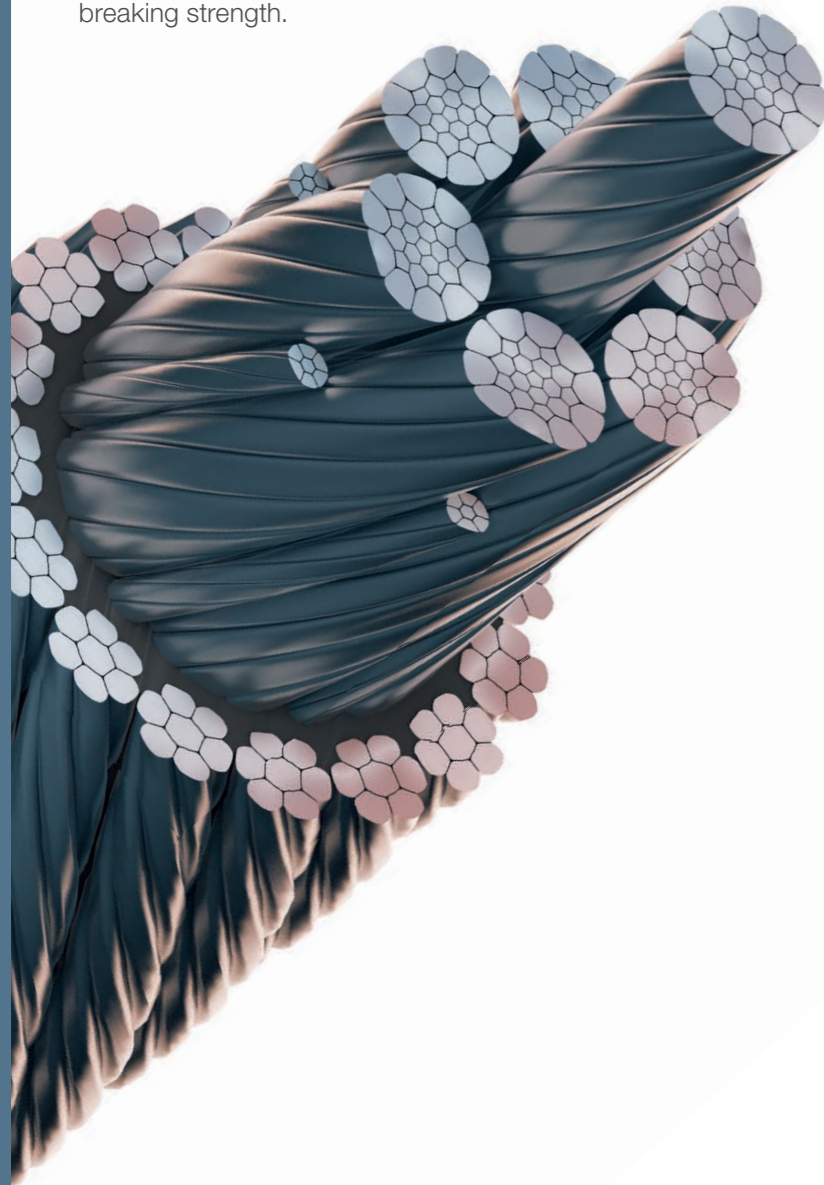
1) The values are indicative only. Authoritative figures remain the metric ones!

Errors and omissions excepted! The cross-section shows a typical rope diameter and can vary within the range. Subject to modifications, this may change the specifications. Relevant is our website.

Provides extraordinary breaking strength and very good resistance to rotation.

verotop S+

is a very flexible rotation-resistant rope with compacted outer strands and extraordinary high breaking strength.



- verotop S+ is the strongest of all compacted rotation-resistant ropes.
- verotop S+ achieves very good bending fatigue results.
- verotop S+ offers excellent resistance to crushing and abrasion.
- verotop S+ possesses perfect spooling behavior on multilayer drum.
- verotop S+ can be used either with or without swivel.
- verotop S+ is a category 1 rotation-resistant rope in accordance with ASTM A1023.

The breaking force of the verotop S+ rope far exceeds normal standards.

| Nominal rope diameter | | Approx mass | Minimum breaking force | |
|-----------------------|-------|-------------|------------------------|-------|
| mm* | Inch | | kN | t |
| 13 | | 0.867 | 179.1 | 18.3 |
| 14 | | 1.005 | 207.7 | 21.2 |
| 15 | | 1.154 | 238.5 | 24.3 |
| 16 | 5/8 | 1.313 | 271.3 | 27.6 |
| 17 | | 1.482 | 306.3 | 31.2 |
| 18 | | 1.662 | 343.4 | 35 |
| 19 | 3/4 | 1.851 | 382.6 | 39 |
| 20 | | 2.051 | 424.0 | 43.2 |
| 21 | | 2.262 | 467.4 | 47.6 |
| 22 | | 2.482 | 513.0 | 52.3 |
| 22.4 | | 2.573 | 531.8 | 54.2 |
| 23 | | 2.713 | 560.7 | 57.1 |
| 24 | | 2.954 | 610.5 | 62.2 |
| 25 | | 3.205 | 662.5 | 67.5 |
| 25.4 | 1 | 3.309 | 683.8 | 69.7 |
| 26 | | 3.467 | 716.5 | 73 |
| 27 | | 3.739 | 772.7 | 78.7 |
| 28 | | 4.021 | 831.0 | 84.7 |
| 28.6 | 1-1/8 | 4.195 | 867.0 | 88.3 |
| 29 | | 4.313 | 891.4 | 90.8 |
| 30 | | 4.616 | 953.9 | 97.2 |
| 31 | | 4.928 | 1018.6 | 103.8 |
| 32 | 1-1/4 | 5.251 | 1085.4 | 110.6 |
| 33 | | 5.585 | 1154.3 | 117.6 |
| 34 | | 5.928 | 1225.3 | 124.9 |
| 35 | 1-3/8 | 6.282 | 1298.4 | 132.3 |
| 36 | | 6.646 | 1373.7 | 140 |
| 38 | 1-1/2 | 7.405 | 1530.6 | 156 |
| 40 | | 8.205 | 1695.9 | 172.8 |

verotop S+/2016/02/v1.0

* Standard tolerance: +2% to +4%, other tolerances possible upon agreement. Other and special rope diameters are available upon request.

| Nominal rope diameter | | Approx mass | | Minimum breaking force |
|-----------------------|-------|--------------------|--------------------|-------------------------------|
| mm* | Inch | lb/ft ¹ | kg/ft ¹ | tons ¹ of 2000 lbs |
| 13 | | 0.58 | 0.26 | 20.1 |
| 14 | | 0.68 | 0.31 | 23.4 |
| 15 | | 0.78 | 0.35 | 26.8 |
| 16 | 5/8 | 0.88 | 0.4 | 30.5 |
| 17 | | 1 | 0.45 | 34.4 |
| 18 | | 1.12 | 0.51 | 38.6 |
| 19 | 3/4 | 1.24 | 0.56 | 43 |
| 20 | | 1.38 | 0.63 | 47.7 |
| 21 | | 1.52 | 0.69 | 52.5 |
| 22 | | 1.67 | 0.76 | 57.7 |
| 22.4 | | 1.73 | 0.78 | 59.8 |
| 23 | | 1.82 | 0.83 | 63 |
| 24 | | 1.98 | 0.9 | 68.6 |
| 25 | | 2.15 | 0.98 | 74.5 |
| 25.4 | 1 | 2.22 | 1.01 | 76.9 |
| 26 | | 2.33 | 1.06 | 80.5 |
| 27 | | 2.51 | 1.14 | 86.9 |
| 28 | | 2.7 | 1.23 | 93.4 |
| 28.6 | 1-1/8 | 2.82 | 1.28 | 97.4 |
| 29 | | 2.9 | 1.31 | 100.2 |
| 30 | | 3.1 | 1.41 | 107.2 |
| 31 | | 3.31 | 1.5 | 114.5 |
| 32 | 1-1/4 | 3.53 | 1.6 | 122 |
| 33 | | 3.75 | 1.7 | 129.7 |
| 34 | | 3.98 | 1.81 | 137.7 |
| 35 | 1-3/8 | 4.22 | 1.92 | 145.9 |
| 36 | | 4.47 | 2.03 | 154.4 |
| 38 | 1-1/2 | 4.98 | 2.26 | 172 |
| 40 | | 5.51 | 2.5 | 190.6 |

1) The values are indicative only. Authoritative figures remain the metric ones!

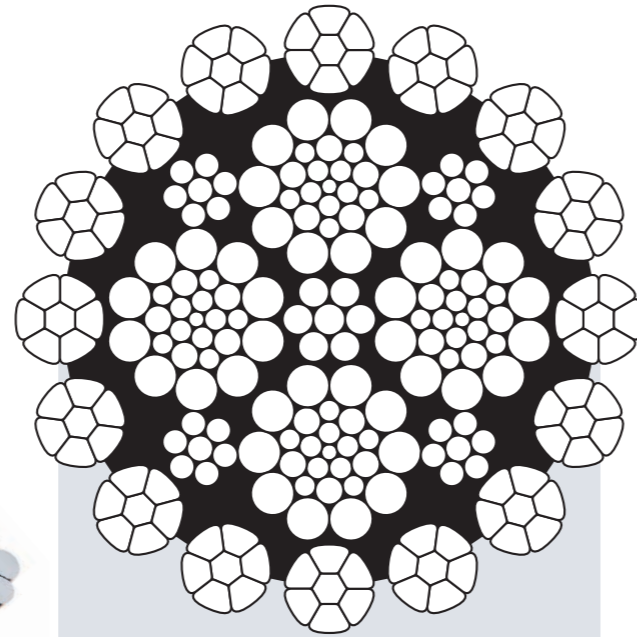
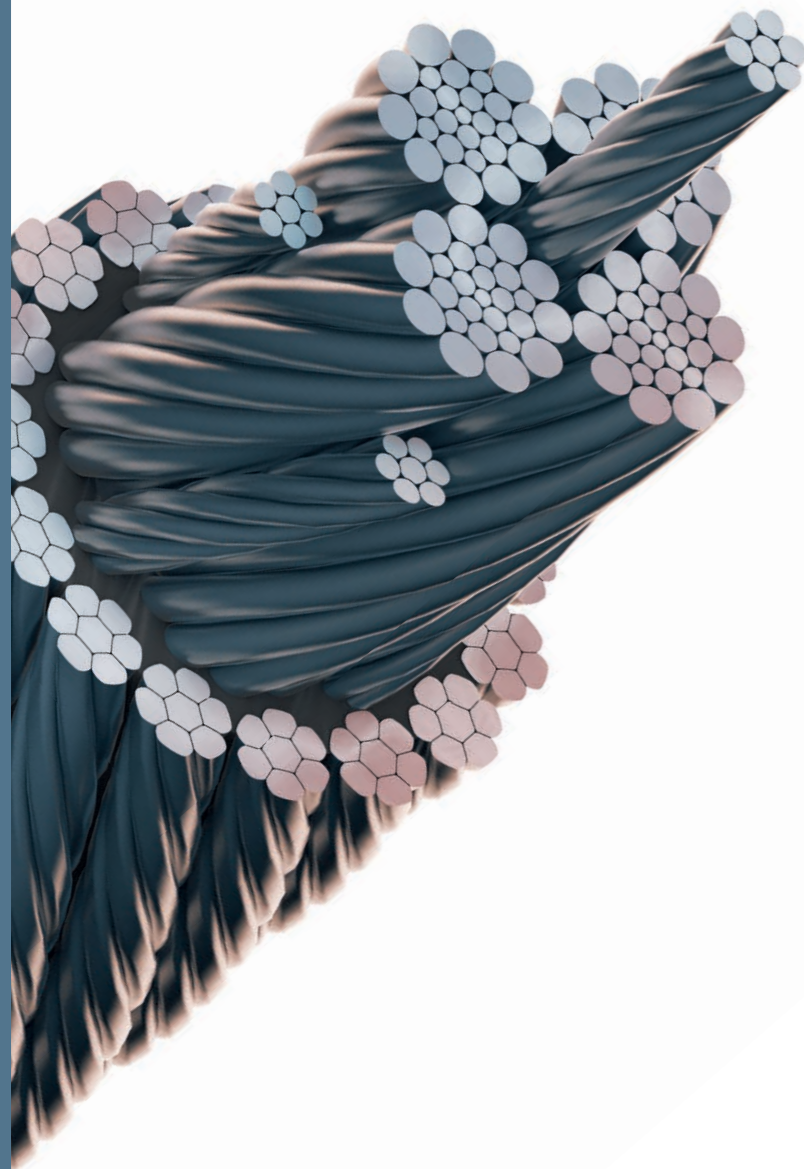
Errors and omissions excepted! The cross-section shows a typical rope diameter and can vary within the range. Subject to modifications, this may change the specifications. Relevant is our website.

The rope is fully lubricated. The finish available is either bright or galvanized. • Average fill factor 0.742 • Lay type: Lang Lay Rope Category Number (RCN) to determine the number of visible broken outer wires, signaling discard of rope acc. ISO 4309: RCN = 23-2 Further details: www.verope.com/en/RCN

Combines high breaking strength and good rotation resistance with remarkable efficiency.

verotop E

is a flexible rotation-resistant rope with compacted outer strands.



- verotop E has a high breaking strength.
- verotop E achieves very good bending fatigue results.
- verotop E offers great resistance to crushing and abrasion.
- verotop E possesses perfect spooling behavior on multilayer drum.
- verotop E can be used either with or without swivel.
- verotop E is a category 1 rotation-resistant rope in accordance with ASTM A1023.

The rope is fully lubricated. The finish available is either bright or galvanized. • Average fill factor 0.700 • Lay type: Lang Lay
Rope Category Number (RCN) to determine the number of visible broken outer wires, signaling discard of rope acc. ISO 4309: RCN = 23-2
Further details: www.verope.com/en/RCN

| Nominal rope diameter | | Approx mass | Minimum breaking force | | | |
|-----------------------|-------|-------------|------------------------|-------|-------|-------|
| | | | Rope grade | | | |
| | | | 1960 | | 2160 | |
| mm* | Inch | kg/m | kN | t | kN | t |
| 8 | 5/16 | 0.305 | 55.2 | 5.6 | 60.2 | 6.1 |
| 9 | | 0.387 | 69.8 | 7.1 | 76.2 | 7.8 |
| 10 | | 0.477 | 86.2 | 8.8 | 94.1 | 9.6 |
| 11 | 7/16 | 0.577 | 104.3 | 10.6 | 113.9 | 11.6 |
| 12 | | 0.687 | 124.1 | 12.6 | 135.5 | 13.8 |
| 13 | | 0.806 | 145.7 | 14.8 | 159.1 | 16.2 |
| 14 | | 0.935 | 169.0 | 17.2 | 184.5 | 18.8 |
| 15 | | 1.074 | 194.0 | 19.8 | 211.8 | 21.6 |
| 16 | 5/8 | 1.222 | 220.7 | 22.5 | 241.0 | 24.6 |
| 18 | | 1.546 | 279.3 | 28.5 | 305.0 | 31.1 |
| 19 | 3/4 | 1.723 | 311.2 | 31.7 | 339.8 | 34.6 |
| 20 | | 1.909 | 344.8 | 35.1 | 376.5 | 38.4 |
| 22 | | 2.310 | 417.2 | 42.5 | 455.6 | 46.4 |
| 23 | | 2.524 | 456.0 | 46.5 | 497.9 | 50.7 |
| 24 | | 2.749 | 496.5 | 50.6 | 542.1 | 55.2 |
| 25 | | 2.983 | 538.8 | 54.9 | 588.3 | 59.9 |
| 26 | | 3.226 | 582.7 | 59.4 | 636.3 | 64.8 |
| 27 | | 3.479 | 628.4 | 64 | 686.2 | 69.9 |
| 28 | | 3.741 | 675.8 | 68.9 | 737.9 | 75.2 |
| 29 | | 4.013 | 725.0 | 73.9 | 791.6 | 80.7 |
| 30 | | 4.295 | 775.8 | 79.1 | 847.1 | 86.3 |
| 32 | 1-1/4 | 4.887 | 882.7 | 90 | 963.8 | 98.2 |
| 34 | | 5.517 | 983.8 | 100.3 | 1077 | 109.8 |
| 35 | 1-3/8 | 5.846 | 1043 | 106.2 | 1142 | 116.3 |
| 36 | | 6.185 | 1103 | 112.4 | 1208 | 123.1 |
| 38 | 1-1/2 | 6.891 | 1229 | 125.2 | 1346 | 137.1 |
| 40 | | 7.635 | 1362 | 138.8 | 1491 | 151.9 |

verotop E/2015/10/vv2.0

* Standard tolerance: +2% to +4%, other tolerances possible upon agreement. Other and special rope diameters are available upon request.

Errors and omissions excepted! The cross-section shows a typical rope diameter and can vary within the range. Subject to modifications, this may change the specifications. Relevant is our website.

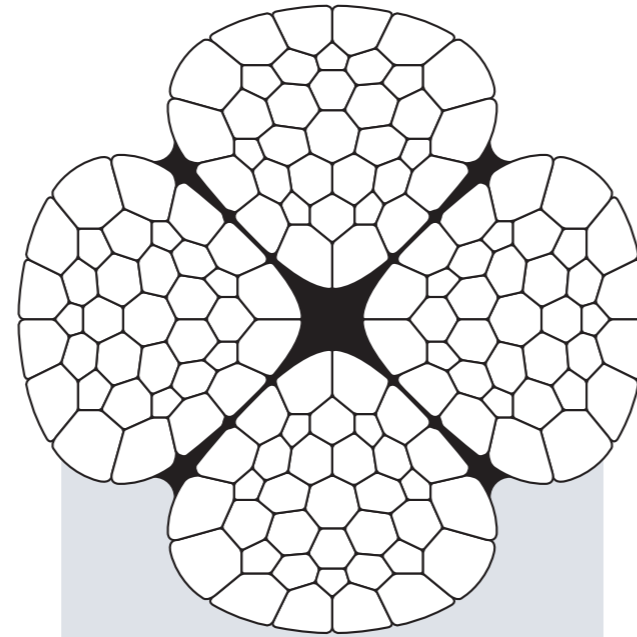
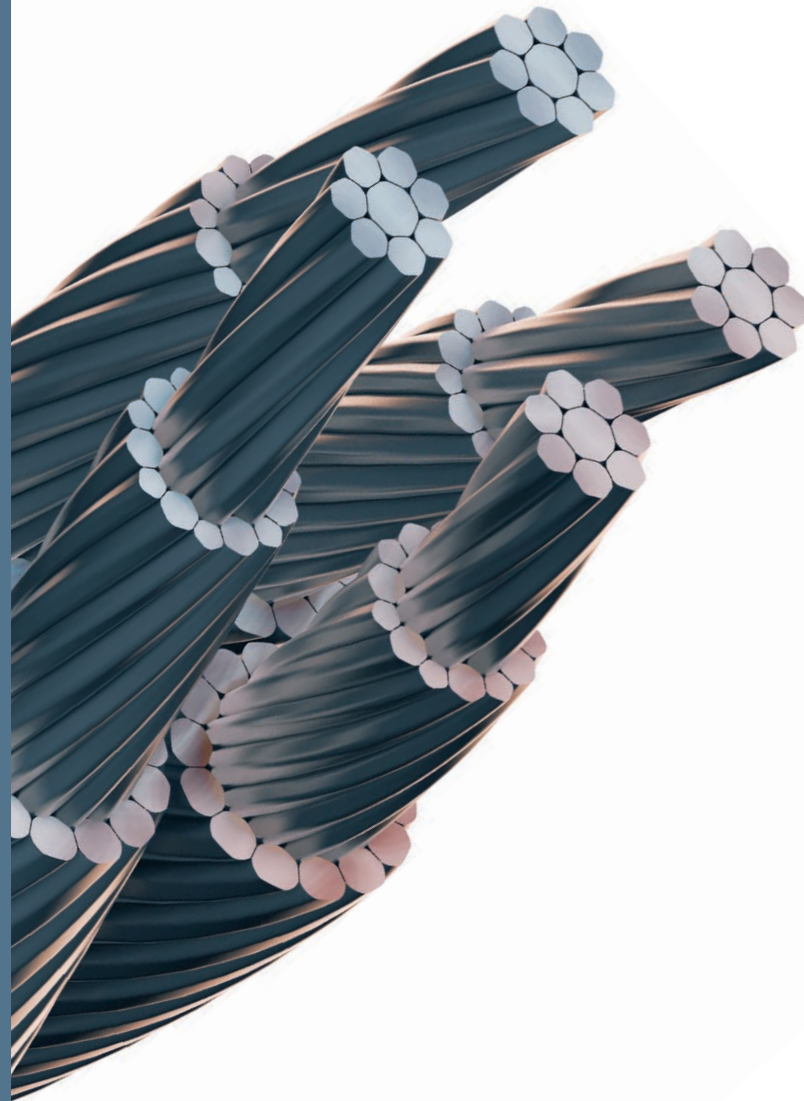
| Nominal rope diameter | | Approx mass | | Minimum breaking force tons ¹ of 2000 lbs | |
|-----------------------|-------|--------------------|--------------------|--|-------|
| | | | | Rope grade | |
| | | | | 1960 | 2160 |
| mm* | Inch | lb/ft ¹ | kg/ft ¹ | 1960 | 2160 |
| 8 | 5/16 | 0.21 | 0.09 | 6.2 | 6.8 |
| 9 | | 0.26 | 0.12 | 7.8 | 8.6 |
| 10 | | 0.32 | 0.15 | 9.7 | 10.6 |
| 11 | 7/16 | 0.39 | 0.18 | 11.7 | 12.8 |
| 12 | | 0.46 | 0.21 | 14 | 15.2 |
| 13 | | 0.54 | 0.25 | 16.4 | 17.9 |
| 14 | | 0.63 | 0.29 | 19 | 20.7 |
| 15 | | 0.72 | 0.33 | 21.8 | 23.8 |
| 16 | 5/8 | 0.82 | 0.37 | 24.8 | 27.1 |
| 18 | | 1.04 | 0.47 | 31.4 | 34.3 |
| 19 | 3/4 | 1.16 | 0.53 | 35 | 38.2 |
| 20 | | 1.28 | 0.58 | 38.8 | 42.3 |
| 22 | | 1.55 | 0.7 | 46.9 | 51.2 |
| 23 | | 1.7 | 0.77 | 51.3 | 56 |
| 24 | | 1.85 | 0.84 | 55.8 | 60.9 |
| 25 | | 2 | 0.91 | 60.6 | 66.1 |
| 26 | | 2.17 | 0.98 | 65.5 | 71.5 |
| 27 | | 2.34 | 1.06 | 70.6 | 77.1 |
| 28 | | 2.51 | 1.14 | 76 | 82.9 |
| 29 | | 2.7 | 1.22 | 81.5 | 89 |
| 30 | | 2.89 | 1.31 | 87.2 | 95.2 |
| 32 | 1-1/4 | 3.28 | 1.49 | 99.2 | 108.3 |
| 34 | | 3.71 | 1.68 | 110.6 | 121.1 |
| 35 | 1-3/8 | 3.93 | 1.78 | 117.2 | 128.3 |
| 36 | | 4.16 | 1.89 | 124 | 135.8 |
| 38 | 1-1/2 | 4.63 | 2.1 | 138.1 | 151.3 |
| 40 | | 5.13 | 2.33 | 153.1 | 167.6 |

¹) The values are indicative only. Authoritative figures remain the metric ones!

Suits best for harshest working conditions with dynamic impact loads.

vero 4

is a 4-strand rotation-resistant rope with compacted strands.



- vero 4 has a high breaking strength.
- vero 4 is a very robust rope construction.
- vero 4 offers excellent resistance to crushing and abrasion.
- vero 4 may not be used with a swivel.

vero 4/2015/10/v2.0

| Nominal rope diameter | | Approx mass | Minimum breaking force | | | |
|-----------------------|-------|-------------|------------------------|-------|-------|-------|
| | | | Rope grade | | | |
| | | | 1960 | | 2160 | |
| mm* | Inch | kg/m | kN | t | kN | t |
| 8 | 5/16 | 0.270 | 55.9 | 5.7 | 59.7 | 6.1 |
| 9 | | 0.341 | 70.8 | 7.2 | 75.5 | 7.7 |
| 10 | | 0.421 | 87.4 | 8.9 | 93.2 | 9.5 |
| 11 | 7/16 | 0.510 | 105.8 | 10.8 | 112.8 | 11.5 |
| 12 | | 0.607 | 125.9 | 12.8 | 134.3 | 13.7 |
| 13 | | 0.712 | 147.7 | 15.1 | 157.6 | 16.1 |
| 14 | | 0.826 | 171.3 | 17.5 | 182.7 | 18.6 |
| 15 | | 0.948 | 196.7 | 20 | 209.8 | 21.4 |
| 16 | 5/8 | 1.078 | 223.8 | 22.8 | 238.7 | 24.3 |
| 18 | | 1.365 | 283.2 | 28.9 | 302.1 | 30.8 |
| 19 | 3/4 | 1.521 | 315.6 | 32.2 | 336.6 | 34.3 |
| 20 | | 1.685 | 349.7 | 35.6 | 373.0 | 38 |
| 22 | | 2.039 | 423.1 | 43.1 | 451.3 | 46 |
| 24 | | 2.426 | 503.5 | 51.3 | 537.0 | 54.7 |
| 25 | | 2.633 | 546.4 | 55.7 | 582.7 | 59.4 |
| 26 | | 2.848 | 591.0 | 60.2 | 630.3 | 64.2 |
| 27 | | 3.071 | 637.3 | 64.9 | 679.7 | 69.3 |
| 28 | | 3.303 | 685.4 | 69.8 | 731.0 | 74.5 |
| 29 | | 3.543 | 735.2 | 74.9 | 784.1 | 79.9 |
| 30 | | 3.791 | 786.8 | 80.2 | 839.1 | 85.5 |
| 31 | | 4.048 | 840.1 | 85.6 | 896.0 | 91.3 |
| 32 | 1-1/4 | 4.314 | 895.2 | 91.2 | 954.8 | 97.3 |
| 33 | | 4.587 | 952.0 | 97 | 1015 | 103.5 |
| 33.5 | | 4.727 | 981.1 | 100 | 1046 | 106.6 |
| 34 | | 4.870 | 1011 | 103 | 1078 | 109.8 |
| 35 | 1-3/8 | 5.160 | 1071 | 109.1 | 1142 | 116.4 |
| 36 | | 5.459 | 1133 | 115.5 | 1208 | 123.1 |

* Standard tolerance: +2% to +4%, other tolerances possible upon agreement. Other and special rope diameters are available upon request.

| Nominal rope diameter | | Approx mass | | Minimum breaking force tons ¹ of 2000 lbs | |
|-----------------------|-------|--------------------|--------------------|--|-------|
| | | | | Rope grade | |
| | | | | 1960 | 2160 |
| mm* | Inch | lb/ft ¹ | kg/ft ¹ | 1960 | 2160 |
| 8 | 5/16 | 0.18 | 0.08 | 6.3 | 6.7 |
| 9 | | 0.23 | 0.1 | 8 | 8.5 |
| 10 | | 0.28 | 0.13 | 9.8 | 10.5 |
| 11 | 7/16 | 0.34 | 0.16 | 11.9 | 12.7 |
| 12 | | 0.41 | 0.18 | 14.1 | 15.1 |
| 13 | | 0.48 | 0.22 | 16.6 | 17.7 |
| 14 | | 0.55 | 0.25 | 19.3 | 20.5 |
| 15 | | 0.64 | 0.29 | 22.1 | 23.6 |
| 16 | 5/8 | 0.72 | 0.33 | 25.2 | 26.8 |
| 18 | | 0.92 | 0.42 | 31.8 | 34 |
| 19 | 3/4 | 1.02 | 0.46 | 35.5 | 37.8 |
| 20 | | 1.13 | 0.51 | 39.3 | 41.9 |
| 22 | | 1.37 | 0.62 | 47.6 | 50.7 |
| 24 | | 1.63 | 0.74 | 56.6 | 60.4 |
| 25 | | 1.77 | 0.8 | 61.4 | 65.5 |
| 26 | | 1.91 | 0.87 | 66.4 | 70.8 |
| 27 | | 2.06 | 0.94 | 71.6 | 76.4 |
| 28 | | 2.22 | 1.01 | 77 | 82.2 |
| 29 | | 2.38 | 1.08 | 82.6 | 88.1 |
| 30 | | 2.55 | 1.16 | 88.4 | 94.3 |
| 31 | | 2.72 | 1.23 | 94.4 | 100.7 |
| 32 | 1-1/4 | 2.9 | 1.32 | 100.6 | 107.3 |
| 33 | | 3.08 | 1.4 | 107 | 114.1 |
| 33.5 | | 3.18 | 1.44 | 110.3 | 117.6 |
| 34 | | 3.27 | 1.48 | 113.6 | 121.1 |
| 35 | 1-3/8 | 3.47 | 1.57 | 120.4 | 128.4 |
| 36 | | 3.67 | 1.66 | 127.3 | 135.8 |

¹) The values are indicative only. Authoritative figures remain the metric ones!

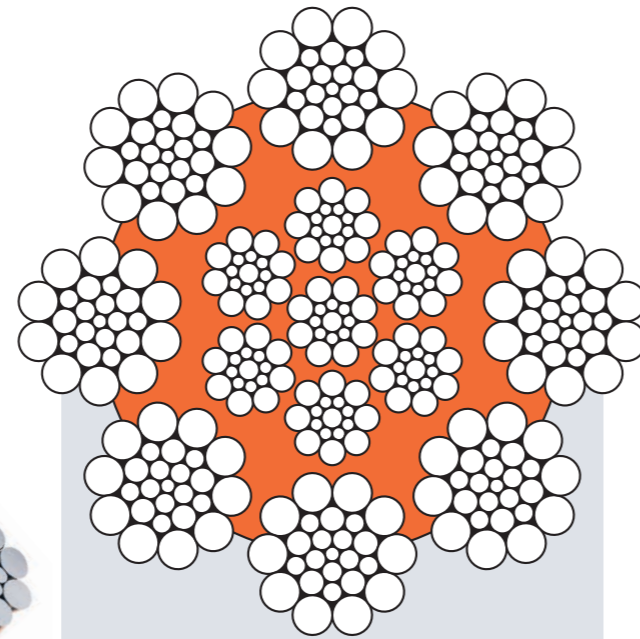
The rope is fully lubricated and available with galvanized finish. • Average fill factor 0.631 • Lay type: Ordinary Lay • Rope Category Number (RCN) to determine the number of visible broken outer wires, signaling discard of rope acc. ISO 4309: RCN = 22
Further details: www.verope.com/en/RCN

Errors and omissions excepted! The cross-section shows a typical rope diameter and can vary within the range. Subject to modifications, this may change the specifications. Relevant is our website.

Achieves best service life in reeving systems with single layer drums.

verostar 8

is an 8-strand, non-rotation-resistant rope with conventional strands and a rope core covered with a plastic layer.



- verostar 8 has a high breaking strength.
- verostar 8 has a very stable rope structure and achieves good bending fatigue results.
- verostar 8 achieves best service life in reeving systems with single layer drums.
- verostar 8 may not be used with a swivel.



The rope is fully lubricated. The finish available as standard is bright, galvanized finish on request. • Average fill factor 0.610 • Ordinary or Lang Lay available
 Rope Category Number (RCN) to determine the number of visible broken outer wires, signaling discard of rope acc. ISO 4309 • Nominal rope diameter till 42 mm RCN = 09 • Nominal rope diameter 43 mm to 48 mm RCN = 11 • Nominal rope diameter above 48 mm RCN = 13
 Further details: www.verope.com/en/RCN

| Nominal rope diameter | | Approx mass | Minimum breaking force | | | |
|-----------------------|-------|-------------|------------------------|-------|-------|-------|
| | | | Rope grade | | | |
| | | | 1770 | | 1960 | |
| mm* | Inch | kg/m | kN | t | kN | t |
| 8 | 5/16 | 0.276 | 47.9 | 4.9 | 53.0 | 5.4 |
| 9 | | 0.349 | 60.6 | 6.2 | 67.1 | 6.8 |
| 10 | | 0.431 | 74.8 | 7.6 | 82.8 | 8.4 |
| 11 | 7/16 | 0.522 | 90.5 | 9.2 | 100.2 | 10.2 |
| 12 | | 0.621 | 107.7 | 11 | 119.3 | 12.2 |
| 12.7 | 1/2 | 0.695 | 120.6 | 12.3 | 133.6 | 13.6 |
| 13 | | 0.729 | 126.4 | 12.9 | 140.0 | 14.3 |
| 14 | | 0.845 | 146.6 | 14.9 | 162.3 | 16.5 |
| 15 | | 0.970 | 168.3 | 17.1 | 186.3 | 19 |
| 16 | 5/8 | 1.104 | 191.5 | 19.5 | 212.0 | 21.6 |
| 17 | | 1.246 | 216.2 | 22 | 239.4 | 24.4 |
| 18 | | 1.397 | 242.3 | 24.7 | 268.3 | 27.3 |
| 19 | 3/4 | 1.557 | 270.0 | 27.5 | 299.0 | 30.5 |
| 20 | | 1.725 | 299.2 | 30.5 | 331.3 | 33.8 |
| 21 | | 1.902 | 329.8 | 33.6 | 365.2 | 37.2 |
| 22 | | 2.087 | 362.0 | 36.9 | 400.9 | 40.8 |
| 22.4 | | 2.164 | 375.3 | 38.2 | 415.6 | 42.3 |
| 23 | | 2.281 | 395.7 | 40.3 | 438.1 | 44.6 |
| 24 | | 2.484 | 430.8 | 43.9 | 477.1 | 48.6 |
| 25 | | 2.695 | 467.5 | 47.6 | 517.6 | 52.7 |
| 25.4 | 1 | 2.782 | 482.5 | 49.2 | 534.3 | 54.4 |
| 26 | | 2.915 | 505.6 | 51.5 | 559.9 | 57.1 |
| 27 | | 3.143 | 545.2 | 55.6 | 603.8 | 61.5 |
| 28 | | 3.380 | 586.4 | 59.8 | 649.3 | 66.2 |
| 28.6 | 1-1/8 | 3.527 | 611.8 | 62.3 | 677.4 | 69 |
| 29 | | 3.626 | 629.0 | 64.1 | 696.5 | 71 |
| 30 | | 3.881 | 673.1 | 68.6 | 745.4 | 76 |
| 31 | | 4.144 | 718.8 | 73.2 | 795.9 | 81.1 |
| 32 | 1-1/4 | 4.415 | 765.9 | 78 | 848.1 | 86.4 |
| 33 | | 4.696 | 814.5 | 83 | 901.9 | 91.9 |
| 34 | | 4.984 | 864.6 | 88.1 | 957.4 | 97.6 |
| 35 | 1-3/8 | 5.282 | 916.2 | 93.4 | 1015 | 103.4 |
| 36 | | 5.588 | 969.3 | 98.8 | 1073 | 109.4 |
| 38 | 1-1/2 | 6.226 | 1080 | 110.1 | 1196 | 121.9 |
| 40 | | 6.899 | 1197 | 121.9 | 1325 | 135 |
| 41.3 | 1-5/8 | 7.355 | 1276 | 130 | 1413 | 144 |
| 42 | | 7.606 | 1319 | 134.4 | 1461 | 148.9 |
| 44 | | 8.348 | 1448 | 147.6 | 1603 | 163.4 |
| 45 | 1-3/4 | 8.731 | 1515 | 154.3 | 1677 | 170.9 |
| 46 | | 9.124 | 1583 | 161.3 | 1753 | 178.6 |
| 47.5 | 1-7/8 | 9.729 | 1688 | 172 | 1869 | 190.4 |
| 48 | | 9.934 | 1723 | 175.6 | 1908 | 194.4 |
| 50 | 2 | 10.780 | 1870 | 190.5 | 2071 | 211 |
| 52 | | 11.659 | 2022 | 206.1 | 2239 | 228.2 |
| 54 | 2-1/8 | 12.573 | 2181 | 222.2 | 2415 | 246.1 |
| 56 | | 13.522 | 2346 | 239 | 2597 | 264.7 |
| 58 | | 14.505 | 2516 | 256.4 | 2786 | 283.9 |
| 60 | 2-3/8 | 15.523 | 2693 | 274.4 | 2982 | 303.8 |

verostar 8/2015/10/V2.0

* Standard tolerance: +2% to +4%, other tolerances possible upon agreement. Other and special rope diameters are available upon request.

| Nominal rope diameter | | Approx mass | | Minimum breaking force tons ¹ of 2000 lbs | |
|-----------------------|-------|--------------------|--------------------|--|-------|
| | | | | Rope grade | |
| | | | | 1770 | 1960 |
| mm* | Inch | lb/ft ¹ | kg/ft ¹ | 1770 | 1960 |
| 8 | 5/16 | 0.19 | 0.08 | 5.4 | 6 |
| 9 | | 0.23 | 0.11 | 6.8 | 7.5 |
| 10 | | 0.29 | 0.13 | 8.4 | 9.3 |
| 11 | 7/16 | 0.35 | 0.16 | 10.2 | 11.3 |
| 12 | | 0.42 | 0.19 | 12.1 | 13.4 |
| 12.7 | 1/2 | 0.47 | 0.21 | 13.6 | 15 |
| 13 | | 0.49 | 0.22 | 14.2 | 15.7 |
| 14 | | 0.57 | 0.26 | 16.5 | 18.2 |
| 15 | | 0.65 | 0.3 | 18.9 | 20.9 |
| 16 | 5/8 | 0.74 | 0.34 | 21.5 | 23.8 |
| 17 | | 0.84 | 0.38 | 24.3 | 26.9 |
| 18 | | 0.94 | 0.43 | 27.2 | 30.2 |
| 19 | 3/4 | 1.05 | 0.47 | 30.3 | 33.6 |
| 20 | | 1.16 | 0.53 | 33.6 | 37.2 |
| 21 | | 1.28 | 0.58 | 37.1 | 41.1 |
| 22 | | 1.4 | 0.64 | 40.7 | 45.1 |
| 22.4 | | 1.45 | 0.66 | 42.2 | 46.7 |
| 23 | | 1.53 | 0.7 | 44.5 | 49.2 |
| 24 | | 1.67 | 0.76 | 48.4 | 53.6 |
| 25 | | 1.81 | 0.82 | 52.5 | 58.2 |
| 25.4 | 1 | 1.87 | 0.85 | 54.2 | 60.1 |
| 26 | | 1.96 | 0.89 | 56.8 | 62.9 |
| 27 | | 2.11 | 0.96 | 61.3 | 67.9 |
| 28 | | 2.27 | 1.03 | 65.9 | 73 |
| 28.6 | 1-1/8 | 2.37 | 1.08 | 68.8 | 76.1 |
| 29 | | 2.44 | 1.11 | 70.7 | 78.3 |
| 30 | | 2.61 | 1.18 | 75.7 | 83.8 |
| 31 | | 2.78 | 1.26 | 80.8 | 89.5 |
| 32 | 1-1/4 | 2.97 | 1.35 | 86.1 | 95.3 |
| 33 | | 3.16 | 1.43 | 91.5 | 101.4 |
| 34 | | 3.35 | 1.52 | 97.2 | 107.6 |
| 35 | 1-3/8 | 3.55 | 1.61 | 103 | 114 |
| 36 | | 3.76 | 1.7 | 109 | 120.6 |
| 38 | 1-1/2 | 4.18 | 1.9 | 121.4 | 134.4 |
| 40 | | 4.64 | 2.1 | 134.5 | 148.9 |
| 41.3 | 1-5/8 | 4.94 | 2.24 | 143.4 | 158.8 |
| 42 | | 5.11 | 2.32 | 148.3 | 164.2 |
| 44 | | 5.61 | 2.55 | 162.8 | 180.2 |
| 45 | 1-3/4 | 5.87 | 2.66 | 170.2 | 188.5 |
| 46 | | 6.13 | 2.78 | 177.9 | 197 |
| 47.5 | 1-7/8 | 6.54 | 2.97 | 189.7 | 210 |
| 48 | | 6.68 | 3.03 | 193.7 | 214.5 |
| 50 | 2 | 7.24 | 3.29 | 210.2 | 232.7 |
| 52 | | 7.83 | 3.55 | 227.3 | 251.7 |
| 54 | 2-1/8 | 8.45 | 3.83 | 245.1 | 271.5 |
| 56 | | 9.09 | 4.12 | 263.6 | 291.9 |
| 58 | | 9.75 | 4.42 | 282.8 | 313.2 |
| 60 | 2-3/8 | 10.43 | 4.73 | 302.6 | 335.1 |

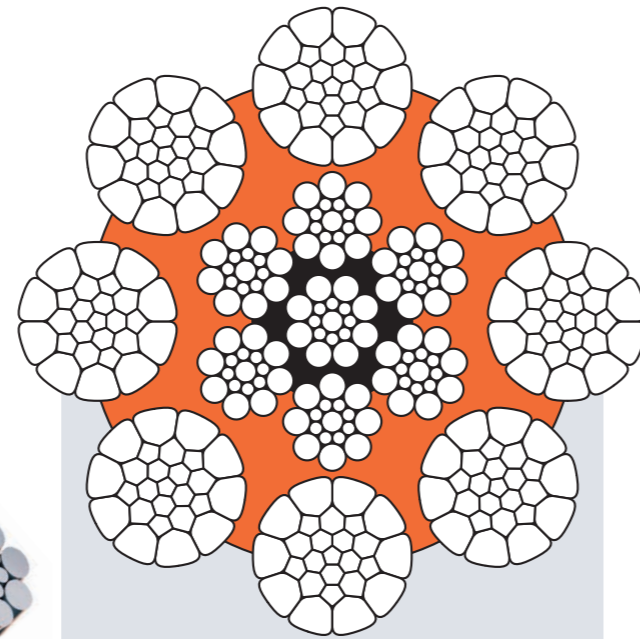
¹) The values are indicative only. Authoritative figures remain the metric ones!

Errors and omissions excepted! The cross-section shows a typical rope diameter and can vary within the range. Subject to modifications, this may change the specifications. Relevant is our website.

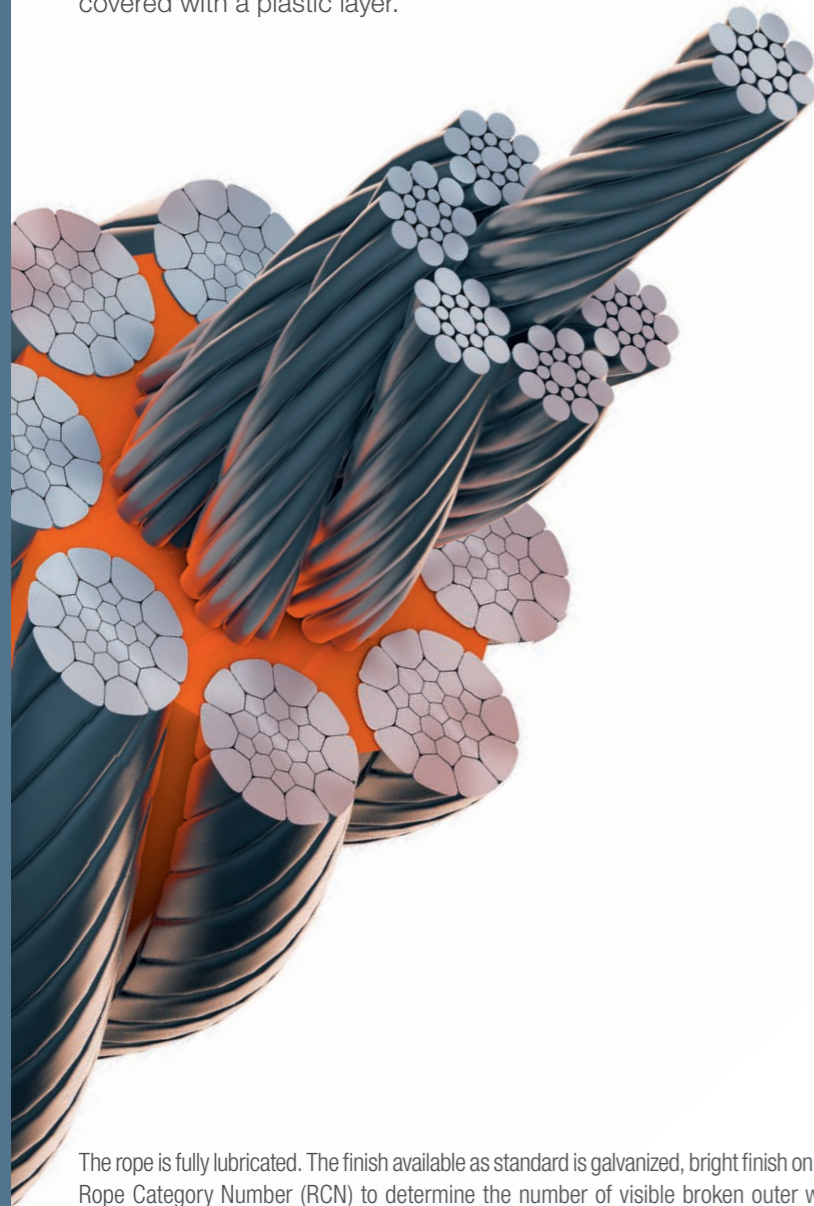
Rope with very high structural stability, achieves excellent bending fatigue results.

veropro 8

is an 8-strand, non-rotation-resistant rope with compacted outer strands and a rope core covered with a plastic layer.



- veropro 8 has a very high breaking strength.
- veropro 8 has a very stable rope structure and achieves excellent bending fatigue results.
- veropro 8 offers excellent resistance to crushing and abrasion.
- veropro 8 possesses perfect spooling behavior on multilayer drum.
- veropro 8 may not be used with a swivel.



The rope is fully lubricated. The finish available as standard is galvanized, bright finish on request. • Average fill factor 0.666 • Ordinary or Lang Lay available
Rope Category Number (RCN) to determine the number of visible broken outer wires, signaling discard of rope acc. ISO 4309 • Nominal rope diameter till 42 mm RCN = 09 • Nominal rope diameter 43 mm to 48 mm RCN = 11 • Nominal rope diameter above 48 mm RCN = 13
Further details: www.verope.com/en/RCN

| Nominal rope diameter | | Approx mass | Minimum breaking force | | | | | |
|-----------------------|-------|-------------|------------------------|-------|-------|-------|-------|-------|
| | | | Rope grade | | | | | |
| mm* | Inch | | 1770 | | 1960 | | 2160 | |
| mm* | Inch | kg/m | kN | t | kN | t | kN | t |
| 8 | 5/16 | 0.288 | 52.1 | 5.3 | 57.7 | 5.9 | 60.6 | 6.2 |
| 9 | | 0.364 | 66.0 | 6.7 | 73.0 | 7.4 | 76.7 | 7.8 |
| 10 | | 0.450 | 81.5 | 8.3 | 90.1 | 9.2 | 94.7 | 9.6 |
| 11 | 7/16 | 0.544 | 98.6 | 10 | 109.1 | 11.1 | 114.6 | 11.7 |
| 12 | | 0.648 | 117.3 | 12 | 129.8 | 13.2 | 136.3 | 13.9 |
| 12.7 | 1/2 | 0.726 | 131.4 | 13.4 | 145.4 | 14.8 | 152.7 | 15.6 |
| 13 | | 0.760 | 137.7 | 14 | 152.3 | 15.5 | 160.0 | 16.3 |
| 14 | | 0.882 | 159.7 | 16.3 | 176.7 | 18 | 185.6 | 18.9 |
| 15 | | 1.012 | 183.3 | 18.7 | 202.8 | 20.7 | 213.0 | 21.7 |
| 16 | 5/8 | 1.152 | 208.6 | 21.3 | 230.7 | 23.5 | 242.4 | 24.7 |
| 17 | | 1.300 | 235.5 | 24 | 260.5 | 26.5 | 273.6 | 27.9 |
| 18 | | 1.457 | 264.0 | 26.9 | 292.0 | 29.8 | 306.8 | 31.3 |
| 19 | 3/4 | 1.624 | 294.2 | 30 | 325.4 | 33.2 | 341.8 | 34.8 |
| 20 | | 1.799 | 325.9 | 33.2 | 360.5 | 36.7 | 378.7 | 38.6 |
| 21 | | 1.984 | 359.3 | 36.6 | 397.5 | 40.5 | 417.5 | 42.5 |
| 22 | | 2.177 | 394.4 | 40.2 | 436.2 | 44.5 | 458.3 | 46.7 |
| 22.4 | | 2.257 | 408.9 | 41.7 | 452.2 | 46.1 | 475.1 | 48.4 |
| 23 | | 2.380 | 431.0 | 43.9 | 476.8 | 48.6 | 500.9 | 51 |
| 24 | | 2.591 | 469.3 | 47.8 | 519.1 | 52.9 | 545.4 | 55.6 |
| 25 | | 2.812 | 509.3 | 51.9 | 563.3 | 57.4 | 591.8 | 60.3 |
| 25.4 | 1 | 2.902 | 525.7 | 53.6 | 581.5 | 59.3 | 610.8 | 62.2 |
| 26 | | 3.041 | 550.8 | 56.1 | 609.3 | 62.1 | 640.0 | 65.2 |
| 27 | | 3.279 | 594.0 | 60.5 | 657.0 | 67 | 690.2 | 70.3 |
| 28 | | 3.527 | 638.8 | 65.1 | 706.6 | 72 | 742.3 | 75.6 |
| 28.6 | 1-1/8 | 3.680 | 666.5 | 67.9 | 737.2 | 75.1 | 774.5 | 78.9 |
| 29 | | 3.783 | 685.3 | 69.8 | 758.0 | 77.2 | 796.3 | 81.1 |
| 30 | | 4.049 | 733.4 | 74.7 | 811.1 | 82.7 | 852.1 | 86.8 |
| 31 | | 4.323 | 783.1 | 79.8 | 866.1 | 88.3 | 909.9 | 92.7 |
| 32 | 1-1/4 | 4.606 | 834.4 | 85 | 922.9 | 94 | 969.5 | 98.8 |
| 33 | | 4.899 | 887.4 | 90.4 | 981.5 | 100 | 1031 | 105.1 |
| 34 | | 5.200 | 941.9 | 96 | 1042 | 106.2 | 1095 | 111.5 |
| 35 | 1-3/8 | 5.511 | 998.2 | 101.7 | 1104 | 112.5 | 1160 | 118.2 |
| 36 | | 5.830 | 1056 | 107.6 | 1168 | 119 | 1227 | 125 |
| 38 | 1-1/2 | 6.496 | 1177 | 119.9 | 1301 | 132.6 | 1367 | 139.3 |
| 40 | | 7.198 | 1304 | 132.9 | 1442 | 146.9 | 1515 | 154.4 |
| 41.3 | 1-5/8 | 7.673 | 1390 | 141.6 | 1537 | 156.7 | 1615 | 164.6 |
| 42 | | 7.935 | 1437 | 146.5 | 1590 | 162 | 1670 | 170.2 |
| 44 | | 8.709 | 1578 | 160.7 | 1745 | 177.8 | 1833 | 186.8 |
| 45 | 1-3/4 | 9.109 | 1650 | 168.1 | 1825 | 186 | 1917 | 195.4 |
| 46 | | 9.519 | 1724 | 175.7 | 1907 | 194.3 | 2003 | 204.2 |
| 47.5 | 1-7/8 | 10.150 | 1838 | 187.3 | 2034 | 207.2 | 2136 | 217.7 |
| 48 | | 10.364 | 1877 | 191.3 | 2077 | 211.6 | 2181 | 222.3 |
| 50 | 2 | 11.246 | 2037 | 207.6 | 2253 | 229.6 | 2367 | 241.2 |
| 52 | | 12.164 | 2203 | 224.5 | 2437 | 248.3 | 2560 | 260.9 |
| 54 | 2-1/8 | 13.117 | 2376 | 242.1 | 2628 | 267.8 | 2761 | 281.3 |
| 56 | | 14.107 | 2555 | 260.4 | 2826 | 288 | | |
| 58 | | 15.133 | 2741 | 279.3 | 3032 | 309 | | |
| 60 | 2-3/8 | 16.194 | 2933 | 298.9 | 3245 | 330.6 | | |

veropro 8/2015/10/v2.0

* Standard tolerance: +2% to +4%, other tolerances possible upon agreement. Other and special rope diameters are available upon request.

| Nominal rope diameter | | Approx mass | | Minimum breaking force tons ¹ of 2000 lbs | | |
|-----------------------|-------|--------------------|--------------------|--|-------|-------|
| | | | | Rope grade | | |
| mm* | Inch | lb/ft ¹ | kg/ft ¹ | 1770 | 1960 | 2160 |
| 8 | 5/16 | 0.19 | 0.09 | 5.9 | 6.5 | 6.8 |
| 9 | | 0.24 | 0.11 | 7.4 | 8.2 | 8.6 |
| 10 | | 0.3 | 0.14 | 9.2 | 10.1 | 10.6 |
| 11 | 7/16 | 0.37 | 0.17 | 11.1 | 12.3 | 12.9 |
| 12 | | 0.44 | 0.2 | 13.2 | 14.6 | 15.3 |
| 12.7 | 1/2 | 0.49 | 0.22 | 14.8 | 16.3 | 17.2 |
| 13 | | 0.51 | 0.23 | 15.5 | 17.1 | 18 |
| 14 | | 0.59 | 0.27 | 18 | 19.9 | 20.9 |
| 15 | | 0.68 | 0.31 | 20.6 | 22.8 | 23.9 |
| 16 | 5/8 | 0.77 | 0.35 | 23.4 | 25.9 | 27.2 |
| 17 | | 0.87 | 0.4 | 26.5 | 29.3 | 30.8 |
| 18 | | 0.98 | 0.44 | 29.7 | 32.8 | 34.5 |
| 19 | 3/4 | 1.09 | 0.5 | 33.1 | 36.6 | 38.4 |
| 20 | | 1.21 | 0.55 | 36.6 | 40.5 | 42.6 |
| 21 | | 1.33 | 0.6 | 40.4 | 44.7 | 46.9 |
| 22 | | 1.46 | 0.66 | 44.3 | 49 | 51.5 |
| 22.4 | | 1.52 | 0.69 | 46 | 50.8 | 53.4 |
| 23 | | 1.6 | 0.73 | 48.4 | 53.6 | 56.3 |
| 24 | | 1.74 | 0.79 | 52.8 | 58.4 | 61.3 |
| 25 | | 1.89 | 0.86 | 57.2 | 63.3 | 66.5 |
| 25.4 | 1 | 1.95 | 0.88 | 59.1 | 65.4 | 68.7 |
| 26 | | 2.04 | 0.93 | 61.9 | 68.5 | 71.9 |
| 27 | | 2.2 | 1 | 66.8 | 73.9 | 77.6 |
| 28 | | 2.37 | 1.08 | 71.8 | 79.4 | 83.4 |
| 28.6 | 1-1/8 | 2.47 | 1.12 | 74.9 | 82.9 | 87 |
| 29 | | 2.54 | 1.15 | 77 | 85.2 | 89.5 |
| 30 | | 2.72 | 1.23 | 82.4 | 91.2 | 95.8 |
| 31 | | 2.9 | 1.32 | 88 | 97.4 | 102.3 |
| 32 | 1-1/4 | 3.1 | 1.4 | 93.8 | 103.7 | 109 |
| 33 | | 3.29 | 1.49 | 99.7 | 110.3 | 115.9 |
| 34 | | 3.49 | 1.59 | 105.9 | 117.1 | 123 |
| 35 | 1-3/8 | 3.7 | 1.68 | 112.2 | 124.1 | 130.4 |
| 36 | | 3.92 | 1.78 | 118.7 | 131.3 | 137.9 |
| 38 | 1-1/2 | 4.36 | 1.98 | 132.3 | 146.3 | 153.7 |
| 40 | | 4.84 | 2.19 | 146.5 | 162.1 | 170.3 |
| 41.3 | 1-5/8 | 5.16 | 2.34 | 156.2 | 172.8 | 181.5 |
| 42 | | 5.33 | 2.42 | 161.6 | 178.7 | 187.7 |
| 44 | | 5.85 | 2.66 | 177.3 | 196.1 | 206 |
| 45 | 1-3/4 | 6.12 | 2.78 | 185.5 | 205.1 | 215.5 |
| 46 | | 6.4 | 2.9 | 193.8 | 214.4 | 225.2 |
| 47.5 | 1-7/8 | 6.82 | 3.09 | 206.6 | 228.6 | 240.1 |
| 48 | | 6.96 | 3.16 | 211 | 233.4 | 245.2 |
| 50 | 2 | 7.56 | 3.43 | 229 | 253.3 | 266.1 |
| 52 | | 8.17 | 3.71 | 247.7 | 273.9 | 287.8 |
| 54 | 2-1/8 | 8.81 | 4 | 267.1 | 295.4 | 310.3 |
| 56 | | 9.48 | 4.3 | 287.2 | 317.7 | |
| 58 | | 10.17 | 4.61 | 308.1 | 340.8 | |
| 60 | 2-3/8 | 10.88 | 4.94 | 329.7 | 364.7 | |

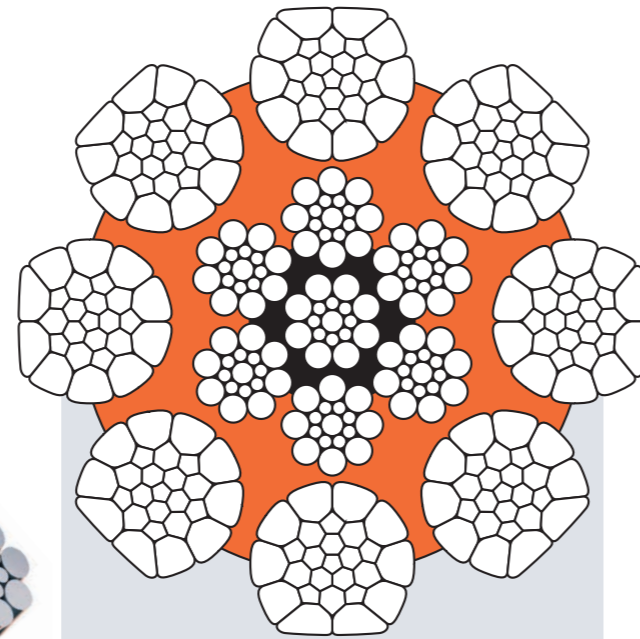
1) The values are indicative only. Authoritative figures remain the metric ones!

Errors and omissions excepted! The cross-section shows a typical rope diameter and can vary within the range. Subject to modifications, this may change the specifications. Relevant is our website.

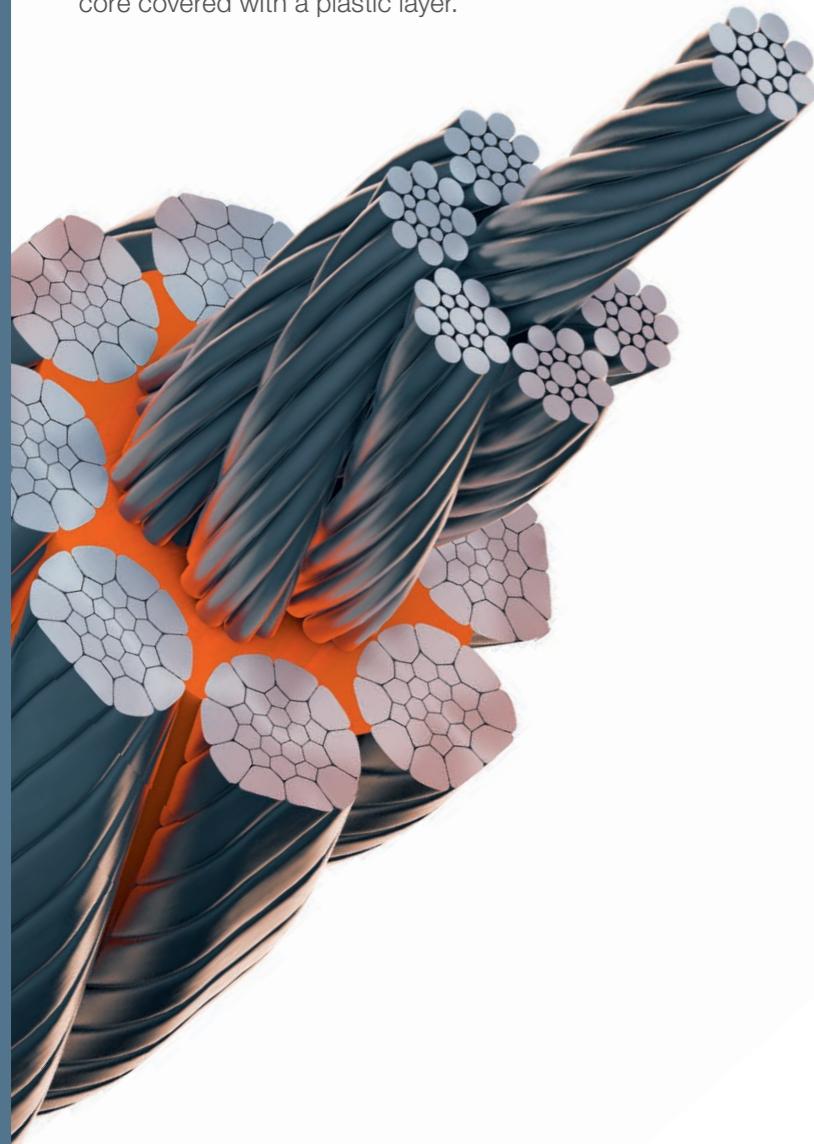
Provides excellent resistance to abrasion and has a very high breaking strength.

veropro 8 RS

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



- veropro 8 RS has a very high breaking strength.
- veropro 8 RS has a very stable rope structure and achieves excellent bending fatigue results.
- veropro 8 RS offers superior crushing resistance and best resistance to abrasion.
- veropro 8 RS possesses excellent spooling behavior on multilayer drum.
- veropro 8 RS may not be used with a swivel.



The rope is fully lubricated. The finish available as standard is galvanized, bright finish on request. • Average fill factor 0.685 • Ordinary or Lang Lay available
Rope Category Number (RCN) to determine the number of visible broken outer wires, signaling discard of rope acc. ISO 4309 • Nominal rope diameter till 42 mm RCN = 09 • Nominal rope diameter 43 mm to 48 mm RCN = 11 • Nominal rope diameter above 48 mm RCN = 13
Further details: www.verope.com/en/RCN

| Nominal rope diameter | | Approx mass | Minimum breaking force | | | |
|-----------------------|-------|-------------|------------------------|-------|-------|-------|
| | | | Rope grade | | | |
| | | | 1960 | | 2160 | |
| mm* | Inch | kg/m | kN | t | kN | t |
| 12 | | 0.666 | 134.4 | 13.7 | 144.7 | 14.7 |
| 12.7 | 1/2 | 0.746 | 150.5 | 15.3 | 162.1 | 16.5 |
| 13 | | 0.782 | 157.7 | 16.1 | 169.9 | 17.3 |
| 14 | | 0.907 | 182.9 | 18.6 | 197.0 | 20.1 |
| 15 | | 1.041 | 210.0 | 21.4 | 226.1 | 23 |
| 16 | 5/8 | 1.184 | 238.9 | 24.3 | 257.3 | 26.2 |
| 17 | | 1.337 | 269.7 | 27.5 | 290.5 | 29.6 |
| 18 | | 1.499 | 302.4 | 30.8 | 325.6 | 33.2 |
| 19 | 3/4 | 1.670 | 336.9 | 34.3 | 362.8 | 37 |
| 20 | | 1.851 | 373.3 | 38 | 402.0 | 41 |
| 21 | | 2.040 | 411.5 | 41.9 | 443.2 | 45.2 |
| 22 | | 2.239 | 451.7 | 46 | 486.5 | 49.6 |
| 22.4 | | 2.322 | 468.2 | 47.7 | 504.3 | 51.4 |
| 23 | | 2.448 | 493.7 | 50.3 | 531.7 | 54.2 |
| 24 | | 2.665 | 537.5 | 54.8 | 578.9 | 59 |
| 25 | | 2.892 | 583.3 | 59.4 | 628.2 | 64 |
| 25.4 | 1 | 2.985 | 602.1 | 61.4 | 648.4 | 66.1 |
| 26 | | 3.128 | 630.9 | 64.3 | 679.4 | 69.2 |
| 27 | | 3.373 | 680.3 | 69.3 | 732.7 | 74.7 |
| 28 | | 3.627 | 731.6 | 74.6 | 788.0 | 80.3 |
| 28.6 | 1-1/8 | 3.785 | 763.3 | 77.8 | 822.1 | 83.8 |
| 29 | | 3.891 | 784.8 | 80 | 845.3 | 86.1 |
| 30 | | 4.164 | 839.9 | 85.6 | 904.6 | 92.2 |
| 31 | | 4.446 | 896.8 | 91.4 | 965.9 | 98.4 |
| 32 | 1-1/4 | 4.738 | 955.6 | 97.4 | 1029 | 104.9 |
| 33 | | 5.039 | 1016 | 103.6 | 1095 | 111.5 |
| 34 | | 5.349 | 1079 | 109.9 | 1162 | 118.4 |
| 35 | 1-3/8 | 5.668 | 1143 | 116.5 | 1231 | 125.5 |
| 36 | | 5.996 | 1209 | 123.2 | 1303 | 132.7 |
| 38 | 1-1/2 | 6.681 | 1348 | 137.3 | 1451 | 147.9 |
| 40 | | 7.403 | 1493 | 152.2 | 1608 | 163.9 |
| 41.3 | 1-5/8 | 7.892 | 1592 | 162.2 | 1714 | 174.7 |
| 42 | | 8.162 | 1646 | 167.7 | 1773 | 180.7 |
| 44 | | 8.957 | 1807 | 184.1 | 1946 | 198.3 |
| 45 | 1-3/4 | 9.369 | 1890 | 192.6 | 2035 | 207.4 |
| 46 | | 9.790 | 1975 | 201.2 | 2127 | 216.7 |
| 47.5 | 1-7/8 | 10.439 | 2106 | 214.6 | 2268 | 231.1 |
| 48 | | 10.660 | 2150 | 219.1 | 2316 | 236 |

veropro 8RS/2015/10/V2.0

* Standard tolerance: +2% to +4%, other tolerances possible upon agreement. Other and special rope diameters are available upon request.

| Nominal rope diameter | | Approx mass | | Minimum breaking force tons' of 2000 lbs | |
|-----------------------|-------|--------------------|--------------------|--|-------|
| | | | | Rope grade | |
| | | | | 1960 | 2160 |
| mm* | Inch | lb/ft ¹ | kg/ft ¹ | 1960 | 2160 |
| 12 | | 0.45 | 0.2 | 15.1 | 16.3 |
| 12.7 | 1/2 | 0.5 | 0.23 | 16.9 | 18.2 |
| 13 | | 0.53 | 0.24 | 17.7 | 19.1 |
| 14 | | 0.61 | 0.28 | 20.6 | 22.1 |
| 15 | | 0.7 | 0.32 | 23.6 | 25.4 |
| 16 | 5/8 | 0.8 | 0.36 | 26.9 | 28.9 |
| 17 | | 0.9 | 0.41 | 30.3 | 32.6 |
| 18 | | 1.01 | 0.46 | 34 | 36.6 |
| 19 | 3/4 | 1.12 | 0.51 | 37.9 | 40.8 |
| 20 | | 1.24 | 0.56 | 42 | 45.2 |
| 21 | | 1.37 | 0.62 | 46.3 | 49.8 |
| 22 | | 1.5 | 0.68 | 50.8 | 54.7 |
| 22.4 | | 1.56 | 0.71 | 52.6 | 56.7 |
| 23 | | 1.64 | 0.75 | 55.5 | 59.8 |
| 24 | | 1.79 | 0.81 | 60.4 | 65.1 |
| 25 | | 1.94 | 0.88 | 65.6 | 70.6 |
| 25.4 | 1 | 2.01 | 0.91 | 67.7 | 72.9 |
| 26 | | 2.1 | 0.95 | 70.9 | 76.4 |
| 27 | | 2.27 | 1.03 | 76.5 | 82.4 |
| 28 | | 2.44 | 1.11 | 82.2 | 88.6 |
| 28.6 | 1-1/8 | 2.54 | 1.15 | 85.8 | 92.4 |
| 29 | | 2.61 | 1.19 | 88.2 | 95 |
| 30 | | 2.8 | 1.27 | 94.4 | 101.7 |
| 31 | | 2.99 | 1.36 | 100.8 | 108.6 |
| 32 | 1-1/4 | 3.18 | 1.44 | 107.4 | 115.7 |
| 33 | | 3.39 | 1.54 | 114.2 | 123 |
| 34 | | 3.59 | 1.63 | 121.3 | 130.6 |
| 35 | 1-3/8 | 3.81 | 1.73 | 128.5 | 138.4 |
| 36 | | 4.03 | 1.83 | 135.9 | 146.4 |
| 38 | 1-1/2 | 4.49 | 2.04 | 151.5 | 163.1 |
| 40 | | 4.97 | 2.26 | 167.8 | 180.8 |
| 41.3 | 1-5/8 | 5.3 | 2.41 | 178.9 | 192.7 |
| 42 | | 5.48 | 2.49 | 185 | 199.3 |
| 44 | | 6.02 | 2.73 | 203.1 | 218.7 |
| 45 | 1-3/4 | 6.3 | 2.86 | 212.4 | 228.8 |
| 46 | | 6.58 | 2.98 | 222 | 239 |
| 47.5 | 1-7/8 | 7.01 | 3.18 | 236.7 | 254.9 |
| 48 | | 7.16 | 3.25 | 241.7 | 260.3 |

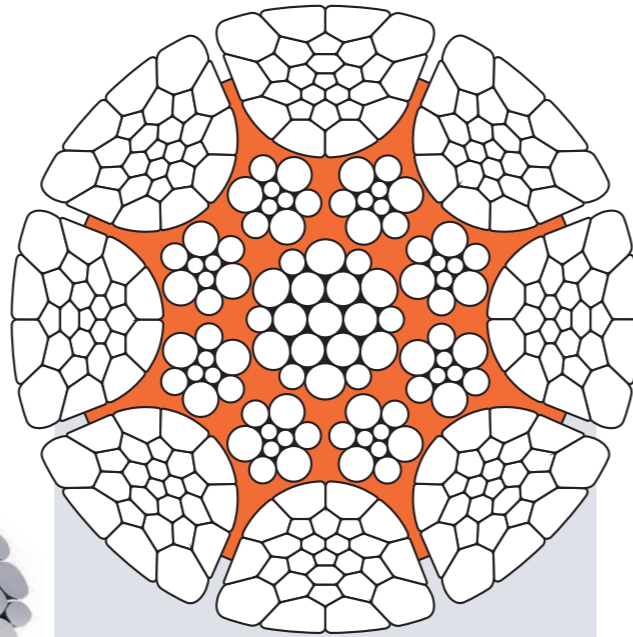
1) The values are indicative only. Authoritative figures remain the metric ones!

Errors and omissions excepted! The cross-section shows a typical rope diameter and can vary within the range. Subject to modifications, this may change the specifications. Relevant is our website.

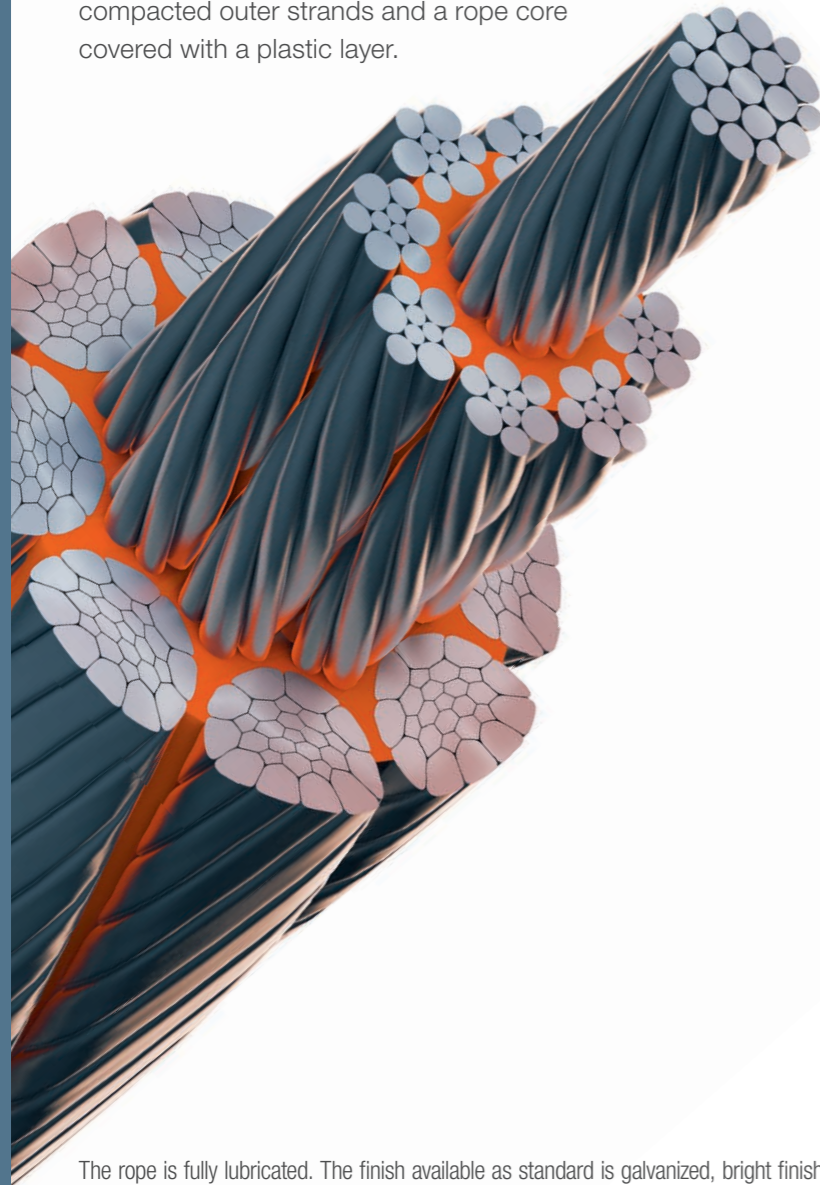
Provides the highest breaking strength of all non-rotation-resistant ropes and offers superior resistance to drum crushing.

veropower 8

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



- veropower 8 is the strongest of all non-rotation-resistant ropes.
- veropower 8 has a very stable rope structure and achieves good bending fatigue results.
- veropower 8 offers superior crushing resistance and excellent resistance to abrasion.
- veropower 8 possesses perfect spooling behavior on multilayer drum.
- veropower 8 may not be used with a swivel.



The rope is fully lubricated. The finish available as standard is galvanized, bright finish on request. • Average fill factor 0.747 • Lay type: Ordinary Lay Rope Category Number (RCN) to determine the number of visible broken outer wires, signaling discard of rope acc. ISO 4309 • Nominal rope diameter till 40 mm RCN = 09 • Nominal rope diameter 41 mm to 46 mm RCN = 11 • Nominal rope diameter above 46 mm RCN = 13 Further details: www.verope.com/en/RCN

| Nominal rope diameter | | Approx mass | Minimum breaking force | | | |
|-----------------------|-------|-------------|------------------------|-------|-------|-------|
| | | | Rope grade | | | |
| | | | 1960 | | 2160 | |
| mm* | Inch | kg/m | kN | t | kN | t |
| 12 | | 0.717 | 147.4 | 15 | 158.8 | 16.2 |
| 12.7 | 1/2 | 0.803 | 165.1 | 16.8 | 177.9 | 18.1 |
| 13 | | 0.842 | 173.0 | 17.6 | 186.4 | 19 |
| 14 | | 0.976 | 200.6 | 20.4 | 216.2 | 22 |
| 15 | | 1.121 | 230.3 | 23.5 | 248.2 | 25.3 |
| 16 | 5/8 | 1.275 | 262.0 | 26.7 | 282.3 | 28.8 |
| 17 | | 1.440 | 295.8 | 30.1 | 318.7 | 32.5 |
| 18 | | 1.614 | 331.6 | 33.8 | 357.3 | 36.4 |
| 19 | 3/4 | 1.798 | 369.5 | 37.6 | 398.1 | 40.6 |
| 20 | | 1.992 | 409.4 | 41.7 | 441.2 | 45 |
| 21 | | 2.197 | 451.3 | 46 | 486.4 | 49.6 |
| 22 | | 2.411 | 495.3 | 50.5 | 533.8 | 54.4 |
| 22.4 | | 2.499 | 513.5 | 52.3 | 553.4 | 56.4 |
| 23 | | 2.635 | 541.4 | 55.2 | 583.4 | 59.5 |
| 24 | | 2.869 | 589.5 | 60.1 | 635.3 | 64.7 |
| 25 | | 3.113 | 639.6 | 65.2 | 689.3 | 70.2 |
| 25.4 | 1 | 3.214 | 660.3 | 67.3 | 711.5 | 72.5 |
| 26 | | 3.367 | 691.8 | 70.5 | 745.6 | 76 |
| 27 | | 3.631 | 746.1 | 76 | 804.0 | 81.9 |
| 28 | | 3.905 | 802.4 | 81.8 | 864.7 | 88.1 |
| 28.6 | 1-1/8 | 4.074 | 837.1 | 85.3 | 902.1 | 91.9 |
| 29 | | 4.189 | 860.7 | 87.7 | 927.5 | 94.5 |
| 30 | | 4.483 | 921.1 | 93.9 | 992.6 | 101.1 |
| 31 | | 4.787 | 983.5 | 100.2 | 1060 | 108 |
| 32 | 1-1/4 | 5.101 | 1048 | 106.8 | 1129 | 115.1 |
| 33 | | 5.424 | 1115 | 113.6 | 1201 | 122.4 |
| 34 | | 5.758 | 1183 | 120.6 | 1275 | 129.9 |
| 35 | 1-3/8 | 6.102 | 1254 | 127.8 | 1351 | 137.7 |
| 36 | | 6.455 | 1326 | 135.2 | 1429 | 145.7 |
| 38 | 1-1/2 | 7.193 | 1478 | 150.6 | 1593 | 162.3 |
| 40 | | 7.970 | 1637 | 166.9 | 1765 | 179.8 |
| 41.3 | 1-5/8 | 8.496 | 1746 | 177.9 | 1881 | 191.7 |
| 42 | | 8.787 | 1805 | 184 | 1946 | 198.2 |
| 44 | | 9.643 | 1981 | 201.9 | 2135 | 217.6 |
| 45 | 1-3/4 | 10.09 | 2072 | 211.2 | 2233 | 227.6 |
| 46 | | 10.54 | 2166 | 220.7 | 2334 | 237.8 |
| 47.5 | 1-7/8 | 11.24 | 2309 | 235.3 | 2488 | 253.6 |
| 48 | | 11.48 | 2358 | 240.3 | 2541 | 258.9 |

veropower 8/2015/10/v2.0

* Standard tolerance: +2% to +4%, other tolerances possible upon agreement. Other and special rope diameters are available upon request.

| Nominal rope diameter | | Approx mass | | Minimum breaking force tons ¹ of 2000 lbs | |
|-----------------------|-------|--------------------|--------------------|--|-------|
| | | | | Rope grade | |
| | | | | 1960 | 2160 |
| mm* | Inch | lb/ft ¹ | kg/ft ¹ | 1960 | 2160 |
| 12 | | 0.48 | 0.22 | 16.6 | 17.9 |
| 12.7 | 1/2 | 0.54 | 0.24 | 18.6 | 20 |
| 13 | | 0.57 | 0.26 | 19.4 | 21 |
| 14 | | 0.66 | 0.3 | 22.5 | 24.3 |
| 15 | | 0.75 | 0.34 | 25.9 | 27.9 |
| 16 | 5/8 | 0.86 | 0.39 | 29.4 | 31.7 |
| 17 | | 0.97 | 0.44 | 33.2 | 35.8 |
| 18 | | 1.08 | 0.49 | 37.3 | 40.2 |
| 19 | 3/4 | 1.21 | 0.55 | 41.5 | 44.8 |
| 20 | | 1.34 | 0.61 | 46 | 49.6 |
| 21 | | 1.48 | 0.67 | 50.7 | 54.7 |
| 22 | | 1.62 | 0.74 | 55.7 | 60 |
| 22.4 | | 1.68 | 0.76 | 57.7 | 62.2 |
| 23 | | 1.77 | 0.8 | 60.9 | 65.6 |
| 24 | | 1.93 | 0.87 | 66.3 | 71.4 |
| 25 | | 2.09 | 0.95 | 71.9 | 77.5 |
| 25.4 | 1 | 2.16 | 0.98 | 74.2 | 80 |
| 26 | | 2.26 | 1.03 | 77.8 | 83.8 |
| 27 | | 2.44 | 1.11 | 83.9 | 90.4 |
| 28 | | 2.62 | 1.19 | 90.2 | 97.2 |
| 28.6 | 1-1/8 | 2.74 | 1.24 | 94.1 | 101.4 |
| 29 | | 2.81 | 1.28 | 96.7 | 104.3 |
| 30 | | 3.01 | 1.37 | 103.5 | 111.6 |
| 31 | | 3.22 | 1.46 | 110.5 | 119.1 |
| 32 | 1-1/4 | 3.43 | 1.56 | 117.8 | 126.9 |
| 33 | | 3.64 | 1.65 | 125.3 | 135 |
| 34 | | 3.87 | 1.76 | 133 | 143.3 |
| 35 | 1-3/8 | 4.1 | 1.86 | 140.9 | 151.9 |
| 36 | | 4.34 | 1.97 | 149.1 | 160.7 |
| 38 | 1-1/2 | 4.83 | 2.19 | 166.1 | 179 |
| 40 | | 5.36 | 2.43 | 184.1 | 198.3 |
| 41.3 | 1-5/8 | 5.71 | 2.59 | 196.2 | 211.4 |
| 42 | | 5.9 | 2.68 | 202.9 | 218.7 |
| 44 | | 6.48 | 2.94 | 222.7 | 240 |
| 45 | 1-3/4 | 6.78 | 3.08 | 232.9 | 251 |
| 46 | | 7.08 | 3.21 | 243.4 | 262.3 |
| 47.5 | 1-7/8 | 7.55 | 3.43 | 259.5 | 279.7 |
| 48 | | 7.71 | 3.5 | 265 | 285.6 |

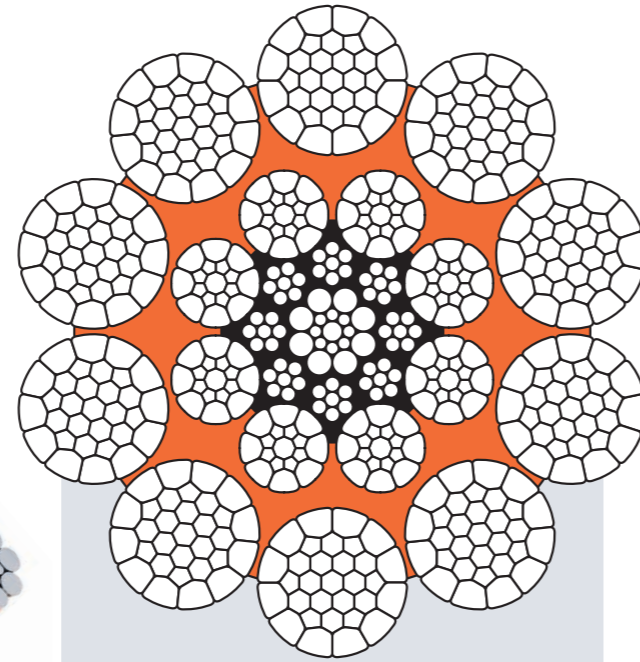
¹) The values are indicative only. Authoritative figures remain the metric ones!

Errors and omissions excepted! The cross-section shows a typical rope diameter and can vary within the range. Subject to modifications, this may change the specifications. Relevant is our website.

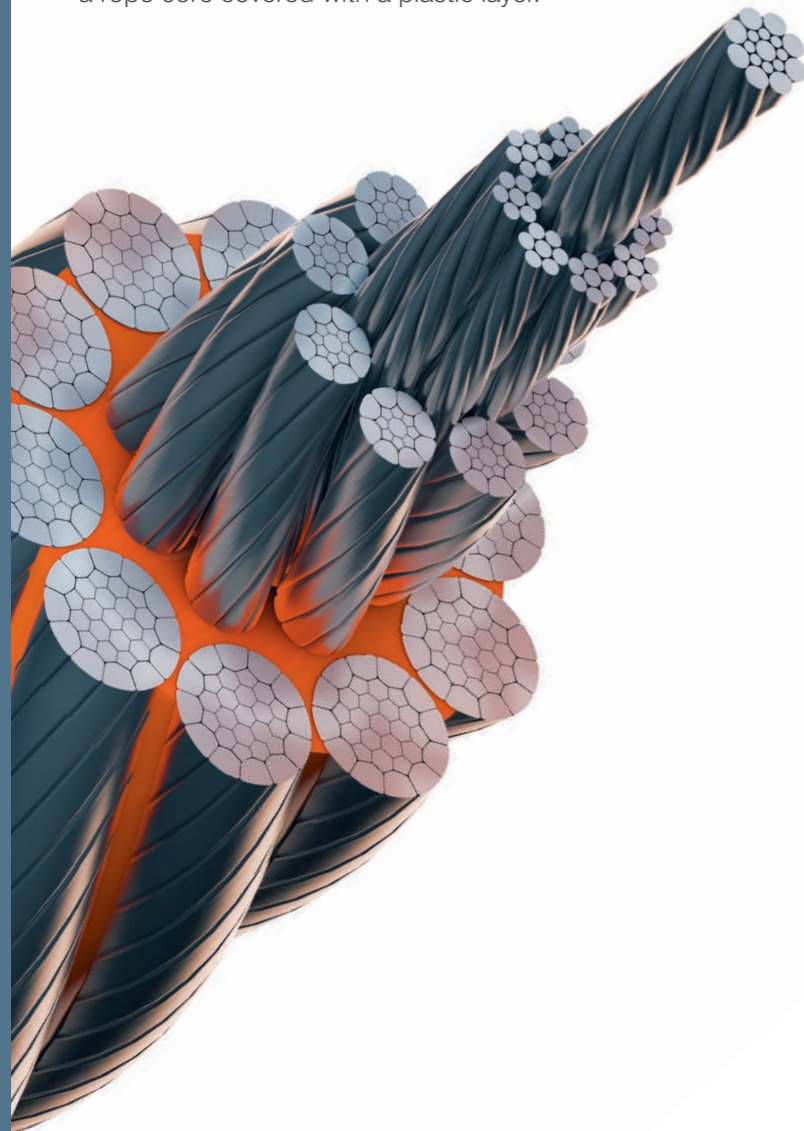
Extremely flexible rope with very high breaking strength, achieves excellent bending fatigue results.

veropro 10

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



- veropro 10 has a very high breaking strength.
- veropro 10 has a very stable rope structure and achieves excellent bending fatigue results.
- veropro 10 offers excellent resistance to crushing and abrasion.
- veropro 10 possesses perfect spooling behavior on multilayer drum.
- veropro 10 may not be used with a swivel.



veropro 10/2015/10/v2.0

| Nominal rope diameter | | Approx mass | Minimum breaking force | | | |
|-----------------------|-------|-------------|------------------------|-------|--------|-------|
| | | | Rope grade | | | |
| | | | 1960 | | 2160 | |
| mm* | Inch | kg/m | kN | t | kN | t |
| 30 | | 4.152 | 828.0 | 84.4 | 891.6 | 90.9 |
| 32 | 1-1/4 | 4.724 | 942.1 | 96 | 1014.4 | 103.4 |
| 34 | | 5.333 | 1063.5 | 108.4 | 1145.2 | 116.7 |
| 36 | | 5.979 | 1192.3 | 121.5 | 1283.9 | 130.8 |
| 38 | 1-1/2 | 6.662 | 1328.4 | 135.4 | 1430.5 | 145.8 |
| 40 | | 7.381 | 1472.0 | 150 | 1585.1 | 161.5 |
| 42 | | 8.138 | 1622.8 | 165.4 | 1747.5 | 178.1 |
| 44 | | 8.931 | 1781.1 | 181.5 | 1917.9 | 195.4 |
| 46 | | 9.762 | 1946.7 | 198.4 | 2096.3 | 213.6 |
| 48 | | 10.629 | 2119.6 | 216 | 2282.5 | 232.6 |
| 50 | 2 | 11.533 | 2299.9 | 234.4 | 2476.7 | 252.4 |
| 52 | | 12.474 | 2487.6 | 253.5 | 2678.8 | 273 |
| 54 | 2-1/8 | 13.452 | 2682.6 | 273.4 | 2888.8 | 294.4 |
| 56 | | 14.467 | 2885.0 | 294 | 3106.8 | 316.6 |
| 58 | | 15.519 | 3094.8 | 315.4 | 3332.6 | 339.6 |
| 60 | 2-3/8 | 16.608 | 3311.9 | 337.5 | 3566.4 | 363.4 |
| 62 | | 17.733 | 3536.4 | 360.4 | 3808.1 | 388.1 |
| 64 | 2-1/2 | 18.896 | 3768.2 | 384 | 4057.8 | 413.5 |
| 66 | 2-5/8 | 20.095 | 4007.4 | 408.4 | 4315.4 | 439.7 |
| 68 | | 21.332 | 4254.0 | 433.5 | 4580.9 | 466.8 |
| 70 | 2-3/4 | 22.605 | 4507.9 | 459.4 | 4854.3 | 494.7 |

| Nominal rope diameter | | Approx mass | | Minimum breaking force tons' of 2000 lbs | |
|-----------------------|-------|--------------------|--------------------|--|-------|
| | | | | Rope grade | |
| | | | | 1960 | 2160 |
| mm* | Inch | lb/ft ¹ | kg/ft ¹ | 1960 | 2160 |
| 30 | 1-1/4 | 2.79 | 1.27 | 93.1 | 100.2 |
| 32 | | 3.17 | 1.44 | 105.9 | 114 |
| 34 | | 3.58 | 1.63 | 119.5 | 128.7 |
| 36 | 1-1/2 | 4.02 | 1.82 | 134 | 144.3 |
| 38 | | 4.48 | 2.03 | 149.3 | 160.8 |
| 40 | | 4.96 | 2.25 | 165.4 | 178.2 |
| 42 | | 5.47 | 2.48 | 182.4 | 196.4 |
| 44 | | 6 | 2.72 | 200.2 | 215.6 |
| 46 | | 6.56 | 2.98 | 218.8 | 235.6 |
| 48 | 2 | 7.14 | 3.24 | 238.2 | 256.6 |
| 50 | | 7.75 | 3.52 | 258.5 | 278.4 |
| 52 | 2-1/8 | 8.38 | 3.8 | 279.6 | 301.1 |
| 54 | | 9.04 | 4.1 | 301.5 | 324.7 |
| 56 | | 9.72 | 4.41 | 324.3 | 349.2 |
| 58 | 2-3/8 | 10.43 | 4.73 | 347.9 | 374.6 |
| 60 | | 11.16 | 5.06 | 372.3 | 400.9 |
| 62 | 2-1/2 | 11.92 | 5.41 | 397.5 | 428 |
| 64 | 2-5/8 | 12.7 | 5.76 | 423.5 | 456.1 |
| 66 | | 13.5 | 6.13 | 450.4 | 485 |
| 68 | 2-3/4 | 14.33 | 6.5 | 478.1 | 514.9 |
| 70 | | 15.19 | 6.89 | 506.7 | 545.6 |

* Standard tolerance: +2% to +4%, other tolerances possible upon agreement. Other and special rope diameters are available upon request.

1) The values are indicative only. Authoritative figures remain the metric ones!

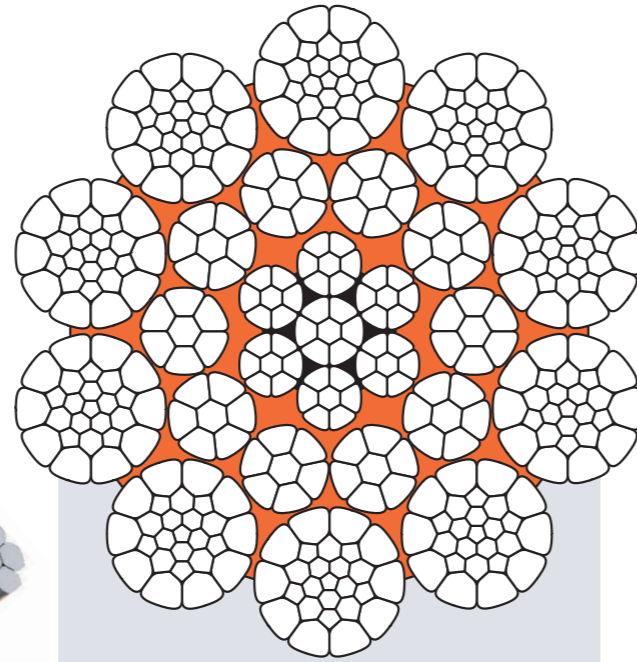
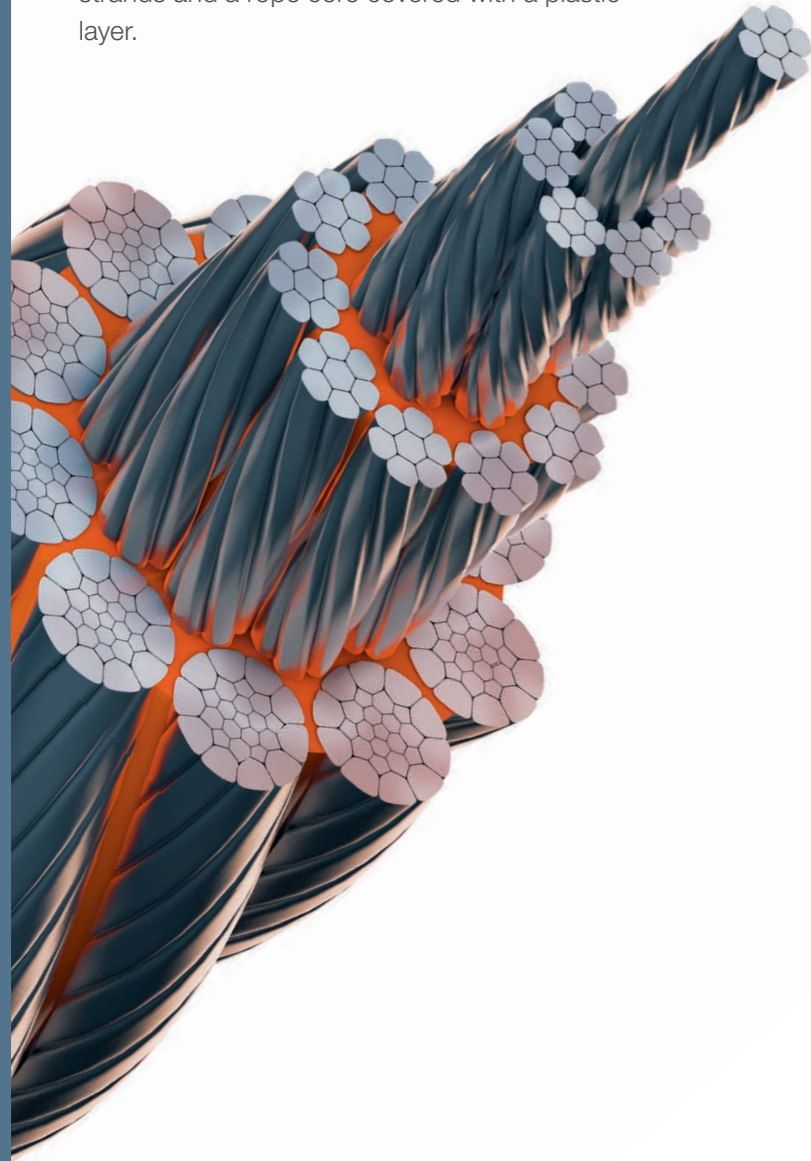
Errors and omissions excepted! The cross-section shows a typical rope diameter and can vary within the range. Subject to modifications, this may change the specifications. Relevant is our website.

The rope is fully lubricated. The finish available as standard is galvanized, bright finish on request. • Average fill factor 0.683 • Ordinary or Lang Lay available • Rope Category Number (RCN) to determine the number of visible broken outer wires, signaling discard of rope acc. ISO 4309: RCN = 11 Further details: www.verope.com/en/RCN

Combines unmatched bending fatigue resistance with excellent breaking strength.

verotech 10

is a very flexible 10-strand, non-rotation-resistant rope in parallel lay construction with compacted strands and a rope core covered with a plastic layer.



- verotech 10 provides excellent breaking strength.
- verotech 10 has a very stable rope structure and achieves unmatched bending fatigue resistance.
- verotech 10 offers excellent resistance to crushing and abrasion.
- verotech 10 possesses perfect spooling behavior on multilayer drum.
- verotech 10 may not be used with a swivel.

| Nominal rope diameter | | Approx mass | Minimum breaking force | | | |
|-----------------------|-------|-------------|------------------------|-------|-------|-------|
| | | | Rope grade | | | |
| | | | 1960 | | 2160 | |
| mm* | Inch | kg/m | kN | t | kN | t |
| 6 | | 0.178 | 34.9 | 3.6 | 38.0 | 3.9 |
| 7 | | 0.242 | 47.5 | 4.8 | 51.7 | 5.3 |
| 8 | 5/16 | 0.316 | 62.0 | 6.3 | 67.6 | 6.9 |
| 9 | | 0.400 | 78.5 | 8 | 85.5 | 8.7 |
| 10 | | 0.494 | 96.9 | 9.9 | 105.6 | 10.8 |
| 11 | 7/16 | 0.598 | 117.3 | 12 | 127.7 | 13 |
| 12 | | 0.712 | 139.5 | 14.2 | 152.0 | 15.5 |
| 12.7 | 1/2 | 0.797 | 156.3 | 15.9 | 170.2 | 17.3 |
| 13 | | 0.836 | 163.8 | 16.7 | 178.4 | 18.2 |
| 14 | | 0.969 | 189.9 | 19.4 | 206.9 | 21.1 |
| 15 | | 1.112 | 218.0 | 22.2 | 237.5 | 24.2 |
| 16 | 5/8 | 1.266 | 248.1 | 25.3 | 270.2 | 27.5 |
| 17 | | 1.429 | 280.1 | 28.5 | 305.1 | 31.1 |
| 18 | | 1.602 | 314.0 | 32 | 342.0 | 34.8 |
| 19 | 3/4 | 1.785 | 349.8 | 35.6 | 381.0 | 38.8 |
| 20 | | 1.978 | 387.6 | 39.5 | 422.2 | 43 |
| 21 | | 2.180 | 427.4 | 43.6 | 465.5 | 47.4 |
| 22 | | 2.393 | 469.0 | 47.8 | 510.9 | 52.1 |
| 22.4 | | 2.481 | 486.2 | 49.5 | 529.6 | 54 |
| 23 | | 2.616 | 512.6 | 52.2 | 558.4 | 56.9 |
| 24 | | 2.848 | 558.2 | 56.9 | 608.0 | 62 |
| 25 | | 3.090 | 605.7 | 61.7 | 659.7 | 67.2 |
| 25.4 | 1 | 3.190 | 625.2 | 63.7 | 681.0 | 69.4 |
| 26 | | 3.342 | 655.1 | 66.8 | 713.5 | 72.7 |
| 27 | | 3.604 | 706.5 | 72 | 769.5 | 78.4 |
| 28 | | 3.876 | 759.8 | 77.4 | 827.5 | 84.3 |
| 28.6 | 1-1/8 | 4.044 | 792.7 | 80.8 | 863.4 | 88 |
| 29 | | 4.158 | 815.0 | 83 | 887.7 | 90.5 |
| 30 | | 4.450 | 872.2 | 88.9 | 950.0 | 96.8 |
| 31 | | 4.751 | 931.3 | 94.9 | 1014 | 103.3 |
| 32 | 1-1/4 | 5.063 | 992.3 | 101.1 | 1081 | 110.2 |
| 33 | | 5.384 | 1055 | 107.5 | 1149 | 117.1 |
| 34 | | 5.716 | 1120 | 114.1 | 1220 | 124.3 |

verotech 10/2015/10/v2.0

| Nominal rope diameter | | Approx mass | | Minimum breaking force tons ¹ of 2000 lbs | |
|-----------------------|-------|--------------------|--------------------|--|-------|
| | | | | Rope grade | |
| | | | | 1960 | 2160 |
| mm* | Inch | lb/ft ¹ | kg/ft ¹ | 1960 | 2160 |
| 6 | | 0.12 | 0.05 | 3.9 | 4.3 |
| 7 | | 0.16 | 0.07 | 5.3 | 5.8 |
| 8 | 5/16 | 0.21 | 0.1 | 7 | 7.6 |
| 9 | | 0.27 | 0.12 | 8.8 | 9.6 |
| 10 | | 0.33 | 0.15 | 10.9 | 11.9 |
| 11 | 7/16 | 0.4 | 0.18 | 13.2 | 14.4 |
| 12 | | 0.48 | 0.22 | 15.7 | 17.1 |
| 12.7 | 1/2 | 0.54 | 0.24 | 17.6 | 19.1 |
| 13 | | 0.56 | 0.25 | 18.4 | 20.1 |
| 14 | | 0.65 | 0.3 | 21.3 | 23.3 |
| 15 | | 0.75 | 0.34 | 24.5 | 26.7 |
| 16 | 5/8 | 0.85 | 0.39 | 27.9 | 30.4 |
| 17 | | 0.96 | 0.44 | 31.5 | 34.3 |
| 18 | | 1.08 | 0.49 | 35.3 | 38.4 |
| 19 | 3/4 | 1.2 | 0.54 | 39.3 | 42.8 |
| 20 | | 1.33 | 0.6 | 43.6 | 47.5 |
| 21 | | 1.47 | 0.66 | 48 | 52.3 |
| 22 | | 1.61 | 0.73 | 52.7 | 57.4 |
| 22.4 | | 1.67 | 0.76 | 54.6 | 59.5 |
| 23 | | 1.76 | 0.8 | 57.6 | 62.8 |
| 24 | | 1.91 | 0.87 | 62.7 | 68.3 |
| 25 | | 2.08 | 0.94 | 68.1 | 74.2 |
| 25.4 | 1 | 2.14 | 0.97 | 70.3 | 76.5 |
| 26 | | 2.25 | 1.02 | 73.6 | 80.2 |
| 27 | | 2.42 | 1.1 | 79.4 | 86.5 |
| 28 | | 2.6 | 1.18 | 85.4 | 93 |
| 28.6 | 1-1/8 | 2.72 | 1.23 | 89.1 | 97 |
| 29 | | 2.79 | 1.27 | 91.6 | 99.8 |
| 30 | | 2.99 | 1.36 | 98 | 106.8 |
| 31 | | 3.19 | 1.45 | 104.7 | 114 |
| 32 | 1-1/4 | 3.4 | 1.54 | 111.5 | 121.5 |
| 33 | | 3.62 | 1.64 | 118.6 | 129.1 |
| 34 | | 3.84 | 1.74 | 125.9 | 137.1 |

* Standard tolerance: +2% to +4%, other tolerances possible upon agreement. Other and special rope diameters are available upon request.

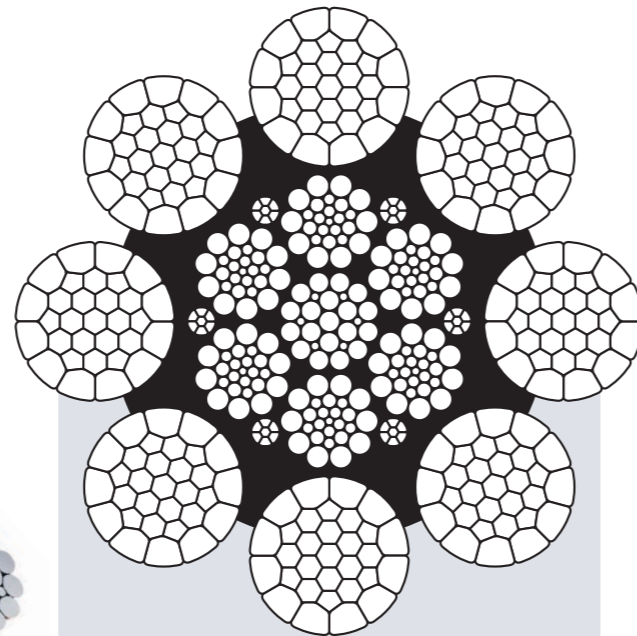
1) The values are indicative only. Authoritative figures remain the metric ones!

Errors and omissions excepted! The cross-section shows a typical rope diameter and can vary within the range. Subject to modifications, this may change the specifications. Relevant is our website.

Offers best general properties at high ambient temperatures.

verosteel 8

is an 8-strand, non-rotation-resistant rope with compacted outer strands.



- verosteel 8 has a high breaking strength.
- verosteel 8 has a stable rope structure and achieves good bending fatigue results.
- verosteel 8 offers excellent resistance to crushing and abrasion.
- verosteel 8 possesses perfect spooling behavior on multilayer drum.
- verosteel 8 may not be used with a swivel.

The rope is fully lubricated. The finish available as standard is galvanized, bright finish on request. • Average fill factor 0.702 • Ordinary or Lang Lay available
Rope Category Number to determine the number of visible broken outer wires, signaling discard of rope acc. ISO 4309 • Nominal rope diameter
till 42 mm RCN = 09 • Nominal rope diameter 43 mm to 48 mm RCN = 11 • Nominal rope diameter above 48 mm RCN = 13
Further details: www.verope.com/en/RCN

| Nominal rope diameter | | Approx mass | Minimum breaking force | | | |
|-----------------------|-------|-------------|------------------------|-------|-------|-------|
| | | | Rope grade | | | |
| | | | 1960 | | 2160 | |
| mm* | Inch | kg/m | kN | t | kN | t |
| 16 | 5/8 | 1.164 | 235.1 | 24 | 254.4 | 25.9 |
| 17 | | 1.315 | 265.5 | 27.1 | 287.2 | 29.3 |
| 18 | | 1.474 | 297.6 | 30.3 | 322.0 | 32.8 |
| 19 | 3/4 | 1.642 | 331.6 | 33.8 | 358.7 | 36.6 |
| 20 | | 1.819 | 367.4 | 37.4 | 397.5 | 40.5 |
| 21 | | 2.006 | 405.1 | 41.3 | 438.2 | 44.7 |
| 22 | | 2.202 | 444.6 | 45.3 | 481.0 | 49 |
| 23 | | 2.406 | 485.9 | 49.5 | 525.7 | 53.6 |
| 24 | | 2.620 | 529.1 | 53.9 | 572.4 | 58.3 |
| 25 | | 2.843 | 574.1 | 58.5 | 621.1 | 63.3 |
| 26 | | 3.075 | 620.9 | 63.3 | 671.7 | 68.5 |
| 27 | | 3.316 | 669.6 | 68.2 | 724.4 | 73.8 |
| 28 | | 3.566 | 720.1 | 73.4 | 779.1 | 79.4 |
| 29 | | 3.825 | 772.5 | 78.7 | 835.7 | 85.2 |
| 30 | | 4.094 | 826.7 | 84.2 | 894.3 | 91.1 |
| 31 | | 4.371 | 882.7 | 89.9 | 954.9 | 97.3 |
| 32 | 1-1/4 | 4.658 | 940.6 | 95.8 | 1018 | 103.7 |
| 33 | | 4.953 | 1000 | 101.9 | 1082 | 110.3 |
| 34 | | 5.258 | 1062 | 108.2 | 1149 | 117.1 |
| 35 | 1-3/8 | 5.572 | 1125 | 114.7 | 1217 | 124 |
| 36 | | 5.895 | 1190 | 121.3 | 1288 | 131.2 |
| 37 | | 6.227 | 1257 | 128.1 | 1360 | 138.6 |
| 38 | 1-1/2 | 6.568 | 1326 | 135.2 | 1435 | 146.2 |
| 39 | | 6.918 | 1397 | 142.4 | 1511 | 154 |
| 40 | | 7.278 | 1470 | 149.8 | 1590 | 162 |
| 41 | | 7.646 | 1544 | 157.3 | 1670 | 170.2 |
| 42 | | 8.024 | 1620 | 165.1 | 1753 | 178.6 |
| 43 | | 8.410 | 1698 | 173.1 | 1837 | 187.2 |
| 44 | | 8.806 | 1778 | 181.2 | 1924 | 196 |
| 45 | 1-3/4 | 9.211 | 1860 | 189.5 | 2012 | 205 |
| 46 | | 9.625 | 1944 | 198.1 | 2103 | 214.3 |
| 47 | | 10.05 | 2029 | 206.8 | 2195 | 223.7 |
| 48 | | 10.48 | 2116 | 215.7 | 2289 | 233.3 |
| 49 | | 10.92 | 2205 | 224.7 | 2386 | 243.1 |
| 50 | 2 | 11.37 | 2296 | 234 | 2484 | 253.1 |

verosteel 8/2015/10/v2.0

* Standard tolerance: +2% to +4%, other tolerances possible upon agreement. Other and special rope diameters are available upon request.

| Nominal rope diameter | | Approx mass | | Minimum breaking force tons ¹ of 2000 lbs | |
|-----------------------|-------|--------------------|--------------------|--|-------|
| | | | | Rope grade | |
| | | | | 1960 | 2160 |
| mm* | Inch | lb/ft ¹ | kg/ft ¹ | 1960 | 2160 |
| 16 | 5/8 | 0.78 | 0.36 | 26.4 | 28.6 |
| 17 | | 0.88 | 0.4 | 29.8 | 32.3 |
| 18 | | 0.99 | 0.45 | 33.5 | 36.2 |
| 19 | 3/4 | 1.1 | 0.5 | 37.3 | 40.3 |
| 20 | | 1.22 | 0.55 | 41.3 | 44.7 |
| 21 | | 1.35 | 0.61 | 45.5 | 49.3 |
| 22 | | 1.48 | 0.67 | 50 | 54.1 |
| 23 | | 1.62 | 0.73 | 54.6 | 59.1 |
| 24 | | 1.76 | 0.8 | 59.5 | 64.3 |
| 25 | | 1.91 | 0.87 | 64.5 | 69.8 |
| 26 | | 2.07 | 0.94 | 69.8 | 75.5 |
| 27 | | 2.23 | 1.01 | 75.3 | 81.4 |
| 28 | | 2.4 | 1.09 | 80.9 | 87.6 |
| 29 | | 2.57 | 1.17 | 86.8 | 93.9 |
| 30 | | 2.75 | 1.25 | 92.9 | 100.5 |
| 31 | | 2.94 | 1.33 | 99.2 | 107.3 |
| 32 | 1-1/4 | 3.13 | 1.42 | 105.7 | 114.4 |
| 33 | | 3.33 | 1.51 | 112.4 | 121.6 |
| 34 | | 3.53 | 1.6 | 119.4 | 129.1 |
| 35 | 1-3/8 | 3.74 | 1.7 | 126.5 | 136.8 |
| 36 | | 3.96 | 1.8 | 133.8 | 144.8 |
| 37 | | 4.18 | 1.9 | 141.3 | 152.9 |
| 38 | 1-1/2 | 4.41 | 2 | 149.1 | 161.3 |
| 39 | | 4.65 | 2.11 | 157 | 169.9 |
| 40 | | 4.89 | 2.22 | 165.2 | 178.7 |
| 41 | | 5.14 | 2.33 | 173.6 | 187.8 |
| 42 | | 5.39 | 2.45 | 182.1 | 197 |
| 43 | | 5.65 | 2.56 | 190.9 | 206.5 |
| 44 | | 5.92 | 2.68 | 199.9 | 216.2 |
| 45 | 1-3/4 | 6.19 | 2.81 | 209.1 | 226.2 |
| 46 | | 6.47 | 2.93 | 218.5 | 236.3 |
| 47 | | 6.75 | 3.06 | 228.1 | 246.7 |
| 48 | | 7.04 | 3.2 | 237.9 | 257.3 |
| 49 | | 7.34 | 3.33 | 247.9 | 268.2 |
| 50 | 2 | 7.64 | 3.47 | 258.1 | 279.2 |

1) The values are indicative only. Authoritative figures remain the metric ones!

Errors and omissions excepted! The cross-section shows a typical rope diameter and can vary within the range. Subject to modifications, this may change the specifications. Relevant is our website.

Rope Category Number RCN

The correct allocation of our verope Special Wire Ropes for determining the replacement state based on visible wire breaks according to ISO 4309.

The International Standard ISO 4309 - „Cranes – Wire ropes – Care and maintenance, inspection and discard“, 4th edition 08/2010- provides comprehensive information. A frequent discard criteria, among many others discussed in detail by the standard, is the number of visible broken wires. Depending on the rope construction, categorized by the Rope Category Number RCN acc. to standard's annex G, the relevant crane classification M1 to M8 and given system such as a single- or multi-layer drum, the discard criteria can be determined by the number of visible broken wires. This means besides the rope construction it is also the relevant machine used its design and classification that determines the discard criteria. Therefore it is no longer possible to give a general number of visible broken wires for a given rope construction, signaling discard. To give you the correct allocation of your verope Special Wire Rope to this International Standard ISO 4309, please find below the respective classification of the "Rope Category Number RCN". Please note that within a rope construction its RCN-number may change depending on rope's nominal diameter. With this information, you can now determine in compliance with the actual type of your application the number of visible broken wires, signaling discard of the rope.

If you have any further questions regarding discard please don't hesitate to contact us. We are happy to assist you!

Rotation-resistant ropes

| verope high performance wire rope construction | Number of load-bearing wires in the outer strands | Rope category number RCN acc. ISO 4309 | Number of visible broken wires acc. ISO 4309 ¹ | | | |
|--|---|--|---|---------------------|---|---------------------|
| | | | relevant rope parts see footnote ² | | relevant rope parts see footnote ^{3/4} | |
| | | | over a length of | | over a length of | |
| | | | 6 x d ⁵ | 30 x d ⁵ | 6 x d ⁵ | 30 x d ⁵ |
| vero 4 | 144 | 22 | 2 | 4 | 4 | 8 |
| verotop XP | 96 | 23-1 | 2 | 4 | 4 | 8 |
| verotop S verotop S+ verotop E | 112 | 23-2 | 3 | 5 | 5 | 10 |
| verotop P | 126 | 23-3 | 3 | 5 | 6 | 11 |

Non-rotation-resistant ropes

| verope high performance wire rope construction | Nominal rope diameter d (mm) | Number of load-bearing wires in the outer strands | Rope category number RCN acc. ISO 4309 | Number of visible broken wires acc. ISO 4309 ¹ | | | | | |
|--|------------------------------|---|--|---|---------------------|----------|---|----|----|
| | | | | relevant rope parts see footnote | | | relevant rope parts see footnote ^{3/4} | | |
| | | | | Class M1 to M4 or class unknown ⁶ | | | All classes M1 to M8 | | |
| | | | | Ordinary lay | | Lang lay | Ordinary and Lang lay | | |
| | | | | over a length of | | | over a length of | | |
| 6 x d ⁵ | 30 x d ⁵ | 6 x d ⁵ | 30 x d ⁵ | 6 x d ⁵ | 30 x d ⁵ | | | | |
| verostar 8 veropro 8 veropro 8 RS verosteel 8 | till 42 | 208 | 09 | 9 | 18 | 4 | 9 | 18 | 36 |
| | 43 to 48 | 248 | 11 | 10 | 21 | 5 | 10 | 20 | 42 |
| | above 48 | 288 | 13 | 12 | 24 | 6 | 12 | 24 | 48 |
| veropower 8 | till 40 | 208 | 09 | 9 | 18 | 4 | 9 | 18 | 36 |
| | 41 to 46 | 248 | 11 | 10 | 21 | 5 | 10 | 20 | 42 |
| | above 46 | 288 | 13 | 12 | 24 | 6 | 12 | 24 | 48 |
| verotech 10 veropro 10 | all diameters | 260 | 11 | 10 | 21 | 5 | 10 | 20 | 42 |

Note

- Please note that a counted broken wire always has two ends.
- Shall be applied exclusively to those sections of rope running only over steel sheaves and/or spooling on a single-layer drum. For single layer spooling ordinary lay ropes have to be used. The wire breaks are randomly distributed.
- Shall be applied exclusively to those sections of rope spooling on a multi-layer drum.
- The values are valid only in conjunction with footnote 3 and apply to deterioration that occurs at the cross-over zones and interference between wraps due to fleet angle effects.
Note: These values do not apply to those sections of rope running only over sheaves but do not spool on the multi-layer drum!
- d = nominal rope diameter
- Twice the number of broken wires listed may be applied to ropes on mechanisms whose classification is known to be M5 to M8.

Important Information

Please note that wrong selection and use of wire ropes can be dangerous!

With the following information, we would like to bring your attention to a few key points for proper selection, use and monitoring of wire ropes. In addition to general technical literature on wire ropes, national and international standards your verope team is happy to assist regarding all rope related questions you may have. Don't hesitate to contact us!

→ Wire ropes must be properly transported, stored, set up and maintained.
Please refer to the relevant literature on these topics.

→ Always inspect wire rope and wire rope termination for wear, damage or abuse before use!
Never use wire rope or wire rope termination that is worn out, damaged or abused!

→ Never overload or shock load a wire rope.

→ Please note that very high or very low ambient temperatures may dramatically change the behavior of the wire rope as well as the wire rope termination.
Please contact us if there is any doubt regarding the safe use in a certain environment.

→ Please note that any termination assembled by verope must not be modified!

→ Wire ropes and wire rope terminations are regarded as expendable products. For safe and proper use, maintenance and inspection are required. Wire ropes and wire rope terminations have to be discarded when the results of inspection indicate that a further use would be unsafe.
Please refer to applicable international or national standards in their relevant version (e.g. ISO 4309, EN 12385 and EN 13411), other general technical literature or regulations concerning inspection, examination and discard criteria for both wire ropes and wire rope terminations.

→ Our products are subject to modifications, this may change the specifications.
Relevant is always our website.

→ The cross-section on our data sheet shows a typical rope diameter and can vary within the range.

Protect yourself and others – failure of wire rope or wire rope termination may cause serious injury or death!

Worldwide service and distribution

With our stock-keeping program at the different verope service centers, we are able to bridge the distance between our modern rope production facility and joint venture partner Kiswire in both South Korea and Malaysia and our customers day to day requirements locally.

Our service and logistics centers in

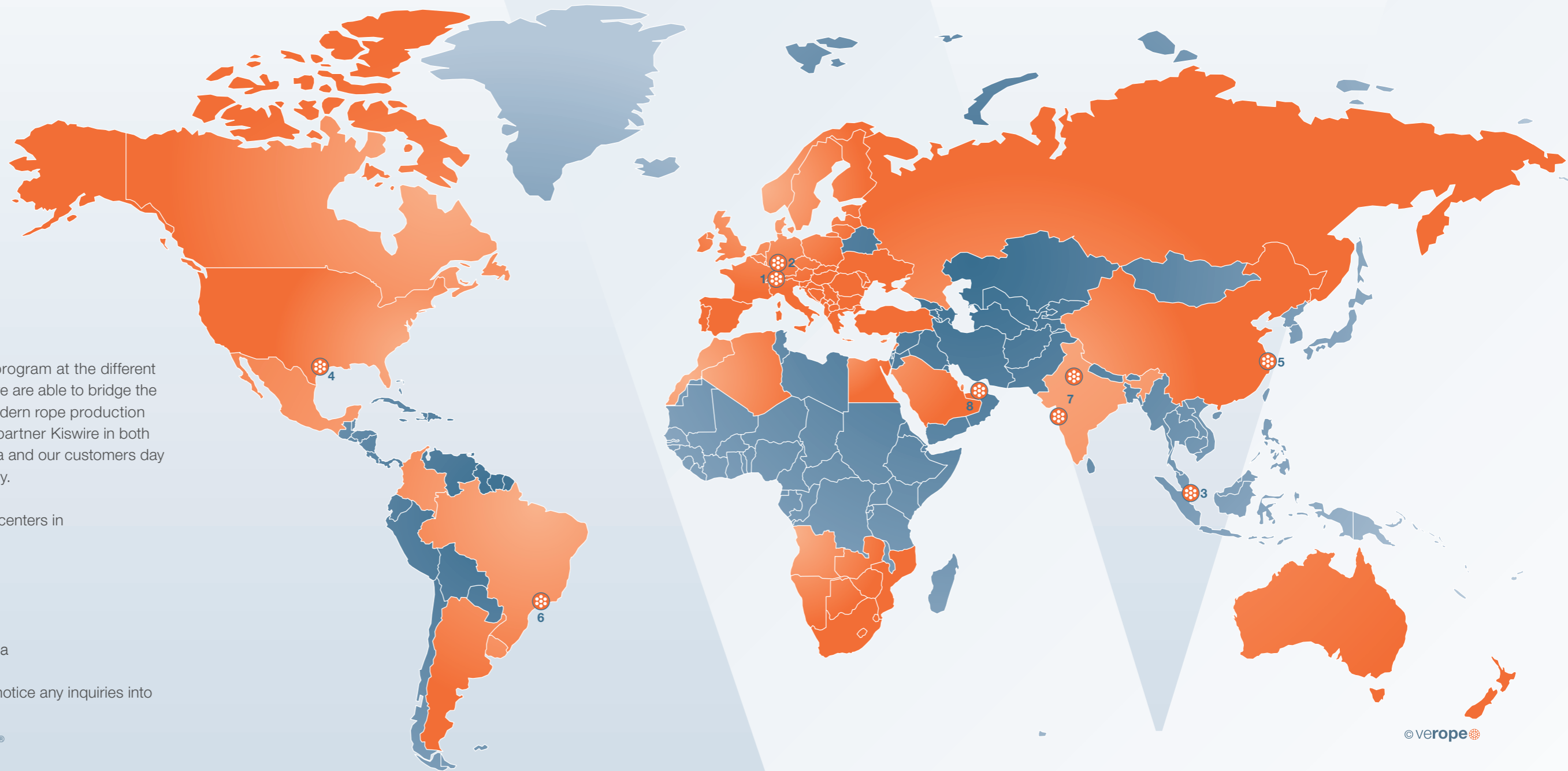
- Contwig, Germany
- Shanghai, China
- Singapore
- Houston, USA
- Resende, Brazil
- Mumbai & New Delhi, India
- Dubai, UAE

are able to turn on short notice any inquiries into action.

verope 

rely on www.verope.com

- 1) verope AG/Headquarters – Zug, Switzerland
- 2) verope Service Center GmbH – Contwig, Germany
- 3) verope Distribution Singapore Pte. Ltd. – Singapore
- 4) verope USA – Houston, USA
- 5) LTI Steel Wire Rope Co., Ltd. – Shanghai, China
- 6) verope do Brasil – Resende, RJ, Brazil
- 7) verope Steel Wire Ropes Private Limited – Mumbai & New Delhi, India
- 8) verope Middle East – Dubai, UAE



©verope 

verope has a worldwide network of professional dealers who expertly select the correct high performance rope to suit your requirements regionally.



verope Special Wire Ropes
are now available for the
mining segment!

Order the new mining catalog here: marketing@verope.com

verope ®

rely on

St. Antons-Gasse 4a
CH-6300 Zug / Switzerland
Tel: +41 (0) 41 72 80 880
Fax: +41 (0) 41 72 80 888

www.verope.com
info@verope.com

04/2017

This catalog is printed
on environment-friendly
FSC® paper.