

Steel Wire Rope ROPETEX S65

Product information

ROPETEX



ROPETEX S65 (and S16) steel wire ropes are the most commonly used type of steel wire ropes in the range from 8 to 38 mm. Both can be used for a variety of applications. Available as S65 with Independent Wire Rope Core (IWRC) or as S16 with Fiber Core (FC). S65 is less flexible but has higher strength and is more dimensionally stable, especially when used on sheaves or drums. S16 is more flexible but has a lower breaking strength.

Typical applications:

- Wire rope sling
- Winch rope
- Hoisting installations
- Lifting applications
- Lifting rope
- Mooring rope
- Towing rope
- Cranes
- Hoists

Available in Right Hand Ordinary Lay (RHOL) and Left Hand Ordinary Lay (LHOL).

Alternatives:

- ROPETEX S16 is a very comparable rope with a Fiber Core (FC) instead of an Independent Steel Wire Rope Core (IWRC);

Rope construction: 6x36WS-IWRC

Marking: According to standard

Temperature range: -40°C up to +200°C, for operating temperatures between 100°C and 200°C reduce MBF by minus 10 %

Standard: EN 12385-4

Fill factor: 0,58

RCN: 09

General use



Winch rope



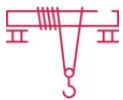
Crawler crane



Piling crane



Overhead cranes



STS crane



Straddle carrier



RTG



Ladle crane



Mobile port crane



Loading crane



Container crane



Offshore crane



Tower crane



Stay rope



Slings



| Part code | Rope diameter mm | Tensile strength N/mm ² | Finish | Rope lay | Min. breaking force kN | Steel area mm ² | Lubrication | Weight kg/100m |
|-----------------|---------------------|---------------------------------------|------------|----------|---------------------------|-------------------------------|-------------|-------------------|
| 101100804270021 | 8 | 1,960 | Galvanized | sZ | 44.7 | 29.4 | A-1 | 26.2 |
| 101100904270021 | 9 | 1,960 | Galvanized | sZ | 56.5 | 37.3 | A-1 | 33.1 |
| 101101004270021 | 10 | 1,960 | Galvanized | sZ | 69.8 | 46 | A-1 | 40.9 |
| 101101104270021 | 11 | 1,960 | Galvanized | sZ | 84.4 | 55.7 | A-1 | 49.5 |
| 101101204270021 | 12 | 1,960 | Galvanized | sZ | 100 | 66.2 | A-1 | 58.9 |
| 101101304270021 | 13 | 1,960 | Galvanized | sZ | 118 | 77.7 | A-1 | 69.1 |
| 101101404270021 | 14 | 1,960 | Galvanized | sZ | 137 | 90.2 | A-1 | 80.2 |
| 101101403270021 | 14 | 1,960 | Galvanized | zS | 137 | 90.2 | A-1 | 80.2 |
| 101101604270021 | 16 | 1,960 | Galvanized | sZ | 179 | 118 | A-1 | 105 |
| 101101603270021 | 16 | 1,960 | Galvanized | zS | 179 | 118 | A-1 | 105 |
| 101101704270021 | 17 | 1,960 | Galvanized | sZ | 202 | 133 | A-1 | 118 |
| 101101804270021 | 18 | 1,960 | Galvanized | sZ | 226 | 149 | A-1 | 133 |

| | | | | | | | | |
|-----------------|----|-------|------------|----|-------|-----|-----|-----|
| 101101803270021 | 18 | 1,960 | Galvanized | zS | 226 | 149 | A-1 | 133 |
| 101101904270021 | 19 | 1,960 | Galvanized | sZ | 252 | 166 | A-1 | 148 |
| 101101903270021 | 19 | 1,960 | Galvanized | zS | 252 | 166 | A-1 | 148 |
| 101102004270021 | 20 | 1,960 | Galvanized | sZ | 279 | 184 | A-1 | 164 |
| 101102003270021 | 20 | 1,960 | Galvanized | zS | 279 | 184 | A-1 | 164 |
| 101102204270021 | 22 | 1,960 | Galvanized | sZ | 338 | 223 | A-1 | 198 |
| 101102203270021 | 22 | 1,960 | Galvanized | zS | 338 | 223 | A-1 | 198 |
| 101102404270021 | 24 | 1,960 | Galvanized | sZ | 402 | 265 | A-1 | 236 |
| 101102403270021 | 24 | 1,960 | Galvanized | zS | 402 | 265 | A-1 | 236 |
| 101102604270021 | 26 | 1,960 | Galvanized | sZ | 472 | 311 | A-1 | 276 |
| 101102603270021 | 26 | 1,960 | Galvanized | zS | 472 | 311 | A-1 | 276 |
| 101102804270021 | 28 | 1,960 | Galvanized | sZ | 547 | 361 | A-1 | 321 |
| 101102803270021 | 28 | 1,960 | Galvanized | zS | 547 | 361 | A-1 | 321 |
| 101103003270021 | 30 | 1,960 | Galvanized | zS | 628 | 414 | A-1 | 368 |
| 101103004270021 | 30 | 1,960 | Galvanized | sZ | 629 | 414 | A-1 | 368 |
| 101103204270021 | 32 | 1,960 | Galvanized | sZ | 715 | 471 | A-1 | 419 |
| 101103203270021 | 32 | 1,960 | Galvanized | zS | 715 | 471 | A-1 | 419 |
| 101103404270021 | 34 | 1,960 | Galvanized | sZ | 807 | 532 | A-1 | 473 |
| 101103604270021 | 36 | 1,960 | Galvanized | sZ | 904 | 596 | A-1 | 530 |
| 101103603270021 | 36 | 1,960 | Galvanized | zS | 904 | 596 | A-1 | 530 |
| 101103804270021 | 38 | 1,960 | Galvanized | sZ | 1,010 | 664 | A-1 | 591 |
| 101103803270021 | 38 | 1,960 | Galvanized | zS | 1,010 | 664 | A-1 | 591 |
| 101104004270021 | 40 | 1,960 | Galvanized | sZ | 1,120 | 736 | A-1 | 654 |

101104003270021

40

1,960

Galvanized

zS

1,120

736

A-1

654