

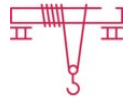
Truck crane



Jib crane



Overhead cranes



## Steel Wire Rope ROPETEX S18

### Product information

**ROPETEX**

ROPETEX S18 is a semi-rotation resistant steel wire rope consisting of two layers of strands and a (steel) wire strand core. As the outer strands are closed in the opposite direction of the inner strands this rope is considered as semi-rotation resistant rope.

ROPETEX S18 should not be used with a swivel and for unguided single part in great lifting height, with reference to the rotational properties (see manual).

ROPETEX S18 is mostly used in diameter from 3 to 8 mm in several lifting applications like truck cranes, overhead cranes, jib cranes, electrical hoists and all other applications where a semi-rotation resistant wire rope is good enough.

If you are searching for a rotation-resistant steel wire rope, look at ROPETEX S55.

**Rope construction:** 18x7-WSC

**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

**Note:** Ropes of the class 35x7 have to be replaced always by ropes of the same/comparable class and never by ropes of class 18x7. Whereas ropes of the class 18x7 can be replaced also by ropes of 35x7 from a technical point of view.

**Fill factor:** 0,55

**RCN:** 23-1

| Part Code       | Rope Diameter,<br>mm | Tensile strength<br>N/mm <sup>2</sup> | Finish     | Rope lay. | Min. Breaking force<br>kN | Steel area<br>mm <sup>2</sup> | Lubrication | Weight<br>kg/100m |
|-----------------|----------------------|---------------------------------------|------------|-----------|---------------------------|-------------------------------|-------------|-------------------|
| 102100304270011 | 3                    | 1,960                                 | Galvanized | sZ        | 5.79                      | 3.9                           | A-1         | 3.61              |
| 102100404270011 | 4                    | 1,960                                 | Galvanized | sZ        | 10.3                      | 6.9                           | A-1         | 6.42              |
| 102100504270011 | 5                    | 1,960                                 | Galvanized | sZ        | 16.1                      | 10.8                          | A-1         | 10                |
| 102100604270011 | 6                    | 1,960                                 | Galvanized | sZ        | 23.1                      | 15.6                          | A-1         | 14.4              |
| 102100704270011 | 7                    | 1,960                                 | Galvanized | sZ        | 31.5                      | 21.2                          | A-1         | 19.6              |
| 102100804270011 | 8                    | 1,960                                 | Galvanized | sZ        | 41.1                      | 27.7                          | A-1         | 25.7              |
| 102101004270011 | 10                   | 1,960                                 | Galvanized | sZ        | 64.3                      | 43.3                          | A-1         | 40                |
| 102101204270011 | 12                   | 1,960                                 | Galvanized | sZ        | 92.6                      | 62.4                          | A-1         | 58                |