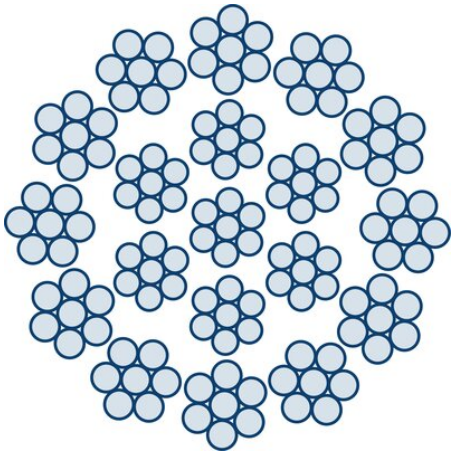
CERTEX | Lifting Solutions Group
Axel Johnson International

Steel Wire Rope Ropetex S18

Product information



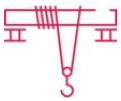
Truck crane



Jib crane



Overhead cranes



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

... *Read more*

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

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Technical data

Part code	Rope diameter mm	Tensile strength N/mm²	Finish	Rope lay	Min. breaking force kN	Steel area mm²	Lubrication	Weight 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
102101104270011	11	1,960	Galvanized	sZ	77.8	52.4	A-1	49
102101204270011	12	1,960	Galvanized	sZ	92.6	62.4	A-1	58

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