

## Ropetex PERFORM 8CP

Ropetex PERFORM 8CP is a high-quality steel wire rope consisting of eight strands. The outer strands are compacted. The core is separated from the outer strands by a plastic layer, reducing internal stress and enabling an excellent service life. Ropetex PERFORM 8CP is not rotation resistant.

### Key product benefits

- Excellent lifetime
- Suitable for multi-layered drum spooling
- Resistant against crushing
- Resistant against abrasion
- High breaking load (MBL)
- The plastic layer reduces internal friction and stress, while protecting the core

### Applications

- Hoist rope
- Auxiliary hoist rope
- Boom hoist rope
- Luffing rope
- Trolley rope
- Pendant rope
- Grab rope

### Suitable for following cranes



Container Crane



Overhead Crane



RTG Crane



Straddle Carrier



Mobile Port Crane



Bulk Handling Crane



Offshore Crane



Deck Crane

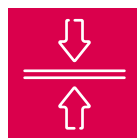


Piling Crane



Tower Crane

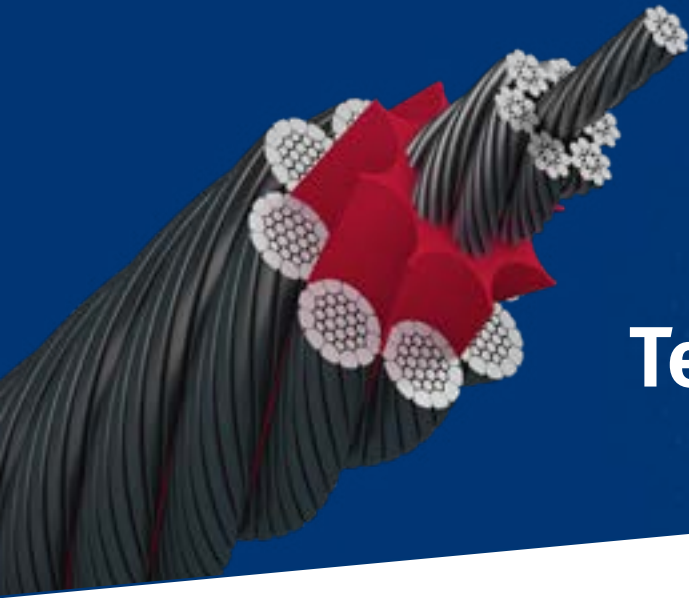
### Product properties



Compacted



Not to be used with a swivel



# Technical Specifications

## Details

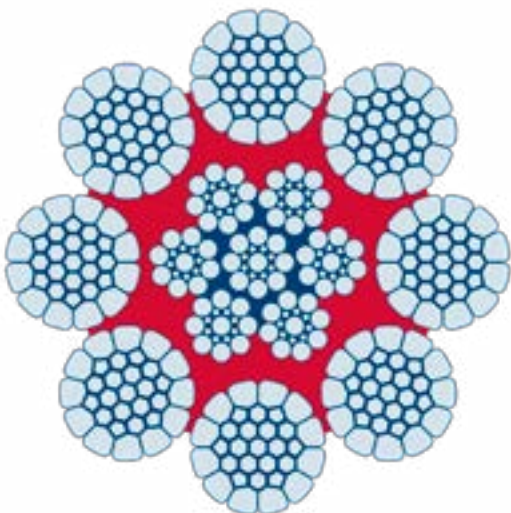
**Standard:** EN12385

**Diameter tolerance:** +2,0% to +4,0%

**Fill factor (average):** 0.664

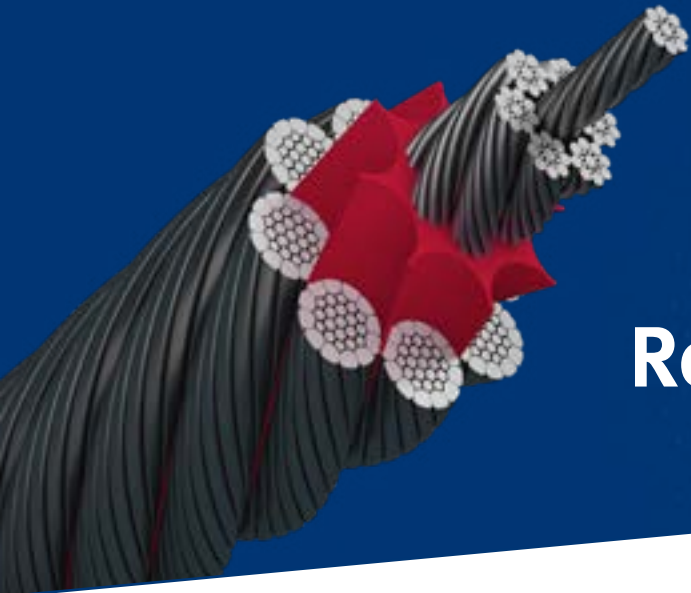
**Elastic modulus:** 105.000 N/mm<sup>2</sup>  
(+/- 5.000 N/mm<sup>2</sup>)

**Temperature range:** -40°C up to +60°C  
with standard lubricant, wider range on request



## Product Table

Nominal Diameter (mm)	Cross Sectional Area (mm)	Minimal Breaking Load (kN)				Approx. Weight kg/100m
		1960 N/mm <sup>2</sup>		2160 N/mm <sup>2</sup>		
		kN	t	kN	t	
8	33,3	57,4	5,9	61,8	6,3	29
9	42,2	72,4	7,4	75,5	7,7	36
10	52,1	89,5	9,1	93,0	9,5	45
11	63,0	107,6	11,0	112,0	11,4	55
12	75,0	128,1	13,1	133,0	13,6	65
13	88,0	150,7	15,4	157,0	16,0	76
14	102,1	174,3	17,8	181,0	18,5	89
15	117,2	201,4	20,5	212,0	21,6	102
16	133,4	228,8	23,3	240,0	24,5	116
18	168,8	289,8	29,6	305,0	31,1	147
19	188,1	323,4	33,0	339,0	34,6	165
20	208,4	358,0	36,5	376,0	38,3	182
22	252,2	432,4	44,1	455,0	46,4	220
24	300,1	514,6	52,5	542,0	55,3	261
25	325,6	568,4	58,0	587,0	59,9	284
26	352,2	603,9	61,6	635,0	64,8	308
28	408,5	700,4	71,4	737,0	75,2	355
30	468,9	803,9	82,0	846,0	86,3	410
32	533,5	915,5	93,4	963,0	98,2	465
34	602,3	1033,3	105,4	1087,0	110,8	556
36	675,2	1159,1	118,2	1219,0	124,3	588
38	752,3	1290,1	131,6	1358,0	138,5	656
40	833,6	1431,2	145,9	1505,0	159,4	726
42	919,1	1577,3	160,8	1659,0	169,2	800
44	1008,7	1730,6	176,5	1821,0	185,7	880
46	1102,4	1892,0	192,9	1991,0	203,0	961
48	1200,4	2060,5	210,1	2168,0	221,1	1050



# Rope Category Numbers

## Discard according to ISO 4309:2017

Ropetex High Performance wire rope	Nominal diameter in mm	Number of load-bearing wire in outer strands <sup>a</sup>	Rope Category Number (RCN) acc. ISO 4309	Number of visible broken wires <sup>b</sup> acc. ISO 4309			
				Sections of rope working in steel sheaves and/or spooling on a single-layer drum (wire breaks randomly distributed)		Sections of rope spooling on a multi-layer drum <sup>c</sup>	
				Classes M1 to M4 (ISO 4301-1:1986) or class unknown <sup>d</sup>		All classes	
				Ordinary Lay (OL)		Ordinary Lay (OL)	
over a length of		over a length of					
6 x d <sup>e</sup>	30 x d <sup>e</sup>	6 x d <sup>e</sup>	30 x d <sup>e</sup>				
Perform 8CP	8-14	152	04	6	13	12	26
	15-39	208	09	9	18	18	36
	40-48	248	11	10	21	20	42

<sup>a</sup> For the purposes of this document, filler wires are not regarded as load-bearing wires and are not included in the values of n.

<sup>b</sup> A broken wire has two ends (counted as one wire).

<sup>c</sup> The values apply to deterioration that occurs at the crossover zones and interference between wraps due to fleet angle effects (not to the sections of rope that only work in sheaves and do not spool on the drum).

<sup>d</sup> Twice the number of broken wires listed may be applied to ropes on mechanisms whose classification is known to be M5 to M8 [ISO 4301-1:1986].

<sup>e</sup> d is the nominal diameter of rope.