

Ropetex PERFORM 35C

General information

Ropetex PERFORM 35C is a flexible, high-quality rotation resistant steel wire rope. The strands are compacted, giving it a high breaking load and making it wear resistant. Ropetex PERFORM 35C is very well suited for multi-layer spooling.

Key product benefits

- Rotation resistant steel wire rope
- Excellent lifetime
- Suitable for multi-layer drum spooling
- Very resistant against crushing
- Very wear resistant
- High breaking load (MBL)

Applications

- Hoist rope
- Auxiliary hoist rope

Suitable for following cranes



Tower Crane



Truck Crane



Mobile Crane



Knuckle Boom Crane



Self-erecting Crane



Luffing Crane



Piling Crane



Crawler Crane



Offshore Crane



Deck Crane

Product properties



Compacted



Right Hand Lang's Lay



Galvanized



Ungalvanized



Rotation Resistant



Can be used with swivel

Technical Specifications

Details

Standard: EN12385

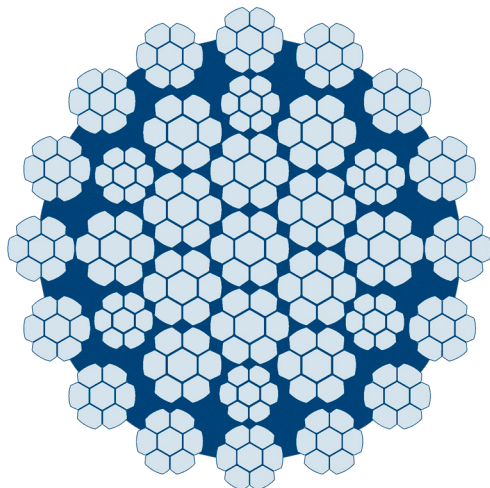
Diameter tolerance: +2,0% to +4,0%

Fill factor (average): 0.723

Elastic modulus: 116.000 N/mm²
(+/- 5.000 N/mm²)

Torque factor: 0.007 at 20% of MBL

Temperature range: -40°C up to +60°C
with standard lubricant.
Wider range on request



Product Table

Nominal Diameter	Cross Sectional Area	Minimal Breaking Load (kN)				Approx. Weight
(mm)	(mm)	1960 N/mm2		2160 N/mm2		kg/100m
		kN	t	kN	t	
8	36,4	60,9	6,2	63,1	6,4	32
9	46,1	76,9	7,8	79,6	8,1	40
10	56,9	94,7	9,7	98	10,0	50
11	68,8	114	11,6	118,8	12,1	60
12	81,9	135,4	13,8	140,6	14,3	72
13	96,2	159,8	16,3	166,3	17,0	84
14	111,5	185,3	18,9	193,1	19,7	98
15	128,0	211,7	21,6	220,8	22,5	112
16	145,7	242,3	24,7	251,5	25,6	127
17	164,0	273,5	27,9	283,9	28,9	143
18	184,3	306,4	31,2	318,8	32,5	158
19	205,4	341	34,8	354,4	36,1	179
20	227,6	377,7	38,5	393	40,1	198
21	250,9	417,4	42,6	433,6	44,2	218
22	275,4	458,1	46,7	475,2	48,5	240
23	301,0	499,8	51,0	520,7	53,1	262
24	327,7	544,6	55,5	566,3	57,7	285
25	355,6	590,4	60,2	615,8	62,8	310
26	384,6	639,3	65,2	665,3	67,8	334
28	446,1	741,1	75,6	772,2	78,7	388
30	512,1	851	86,8	886,1	90,4	445
32	582,6	967,1	98,6	1007,8	102,8	506
34	657,7	1094,4	111,6	1138,5	116,1	572
36	737,4	1225,7	125,0	1276,1	130,1	641
38	821,6	1366,2	139,3	1421,6	145,0	714

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 ^a	Rope Category Number (RCN) acc. ISO 4309	Number of visible broken wires ^b 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 ^c	
				over a length of		over a length of	
				6 x d ^d	30 x d ^d	6 x d ^d	30 x d ^d
Perform 35C	8-38	112	23-2	3	5	5	10

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

^b A broken wire has two ends (counted as one wire).

^c 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).

^d d is the nominal diameter of rope.