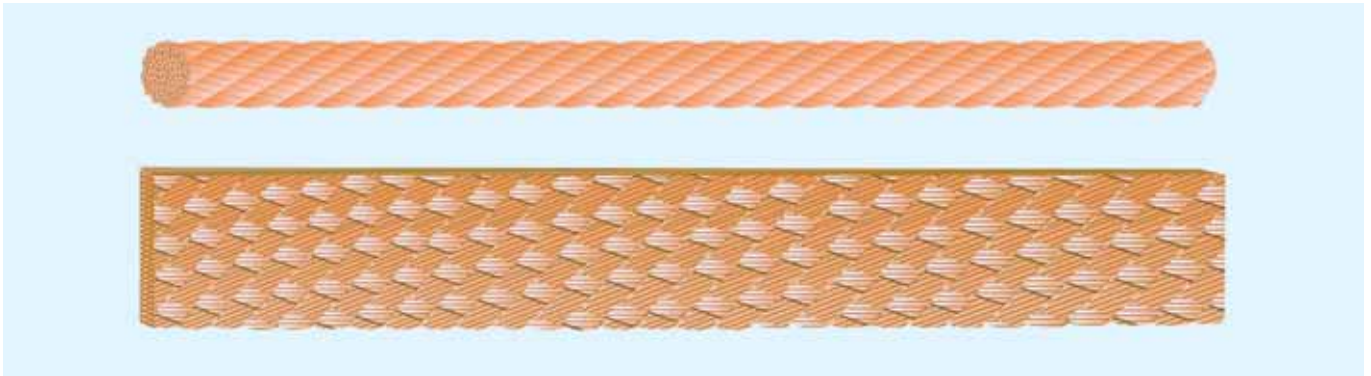


High flexible copper rope round

High flexible copper rope flat



High flexible copper rope round

Rope structure

- High flexible copper rope according to DIN 46438
- The rope consist of annealed wires with a diameter of 0,05 mm, 0,07 mm or 0,1 mm
- Material of wires annealed copper-ETP1 according to DIN EN 13602
- Wires are twisted to bunches, bunches are twisted to rope
- The standard constructions for conductor cross-section up to 300 mm² is 7 ropes, conductor from 400 mm² is created of 16–19 ropes

Advantages

- Optimal flexibility
- Transmission of maximum electrical current at minimum diameter of rope

High flexible copper rope flat

Rope structure

- High flexible copper rope flat
- The rope consist of annealed wires with a diameter of 0,05 mm, 0,07 mm or 0,1 mm
- Material of wires annealed copper-ETP1 according to DIN EN 13602
- Wires are twisted to wire strands, they are manufactured as flat rolled tubes
- Rolled tube is compression to flat strap
- Number of wire strands in strap 16, 24, 36 or 48

Advantages

- Optimal flexibility
- Such braids are mainly used as highly flexible components for earthing or – lightning protection as well as industrial current transfer applications

Part No.		Diameter of wires [mm]	Rope cross-section [mm ²]	Rope structure number of wires x Ø wires	Approx. outer Ø [mm]	Weight [kg/100 m]
Bare copper	Tinned copper					
Round copper rope						
DR02855	DR02875	0,05	1	512 × 0,05	1,5	1
DR02856	DR02876	0,07	1,5	392 × 0,07	1,9	2
DR02857	DR02877	0,07	2,5	651 × 0,07	2,4	3
DR02858	DR02878	0,07	4	1036 × 0,07	3,1	4
DR02859	DR02879	0,07	6	1561 × 0,07	4,0	6
DR02860	DR02880	0,07	8	2100 × 0,07	4,2	8
DR02861	DR02881	0,07	10	2604 × 0,07	4,5	10
DR02862	DR02882	0,07	16	4200 × 0,07	5,7	16
DR02863	DR02883	0,10	25	3192 × 0,10	7,5	25
DR02864	DR02884	0,10	35	4480 × 0,10	9,0	35
DR02865	DR02885	0,10	50	6383 × 0,10	11,0	50
DR02866	DR02886	0,10	70	8918 × 0,10	13,0	70
DR02867	DR02887	0,10	95	12100 × 0,10	15,0	105
DR02868	DR02888	0,10	120	15300 × 0,10	17,0	132
DR02869	DR02889	0,10	150	19152 × 0,10	19,0	162
DR02870	DR02890	0,10	185	23580 × 0,10	21,0	196
DR02871	DR02891	0,10	240	30600 × 0,10	23,5	250
DR02872	DR02892	0,10	300	38200 × 0,10	27,5	315
DR15000		0,10	400	50960 × 0,10	33,0	412
DR15001		0,10	500	64288 × 0,10	38,0	509
DR15002		0,10	600	76832 × 0,10	43,0	600
DR15003		0,10	750	95648 × 0,10	46,0	750
DR15004		0,10	850	108976 × 0,10	48,0	850
DR15005		0,10	1000	128576 × 0,10	54,0	1018

Part No.		Diameter of wires [mm]	Rope cross-section [mm ²]	Rope structure number of wires x Ø wires	Width [mm]	Thickness [mm]	Weight [kg/100 m]
Bare copper	Tinned copper						
Flat copper rope							
DR02790	DR02815	0,05	1	16 × 32 × 0,05	3,2	0,7	1,5
DR02791	DR02816	0,07	1,5	16 × 25 × 0,07	4,0	1,0	1,7
DR02792	DR02817	0,07	2	16 × 33 × 0,07	5,0	0,8	2,2
DR02793	DR02818	0,07	2,5	24 × 27 × 0,07	5,8	1,0	2,7
DR02794	DR02819	0,07	4	24 × 43 × 0,07	8,2	1,0	4,25
DR02795	DR02820	0,07	6	24 × 66 × 0,07	10,0	1,0	6,0
DR02796	DR02821	0,07	8	24 × 88 × 0,07	12,0	1,1	8,0
DR02797	DR02822	0,07	10	24 × 109 × 0,07	13,8	1,3	10,0
DR02799	DR02824	0,10	16	24 × 85 × 0,10	18,0	2,0	16,0
DR02801	DR02826	0,10	25	24 × 135 × 0,10	20,0	2,4	25,0
DR02802	DR02827	0,10	35	36 × 124 × 0,10	29,0	2,2	35,0
DR02803	DR02828	0,10	50	48 × 133 × 0,10	33,0	2,8	50,0
DR02804	DR02829	0,10	70	48 × 186 × 0,10	38,0	3,0	70,0
DR02812	DR02834	0,10	95	48 × 256 × 0,10	45,0	4,5	95,0
DR02805	DR02830	0,10	120	48 × 320 × 0,10	50,0	4,5	120,0
DR02806	DR02831	0,10	140	48 × 373 × 0,10	55,0	5,3	140,0
DR02807	DR02832	0,10	168	48 × 446 × 0,10	70,0	4,5	168,0
DR02808		0,10	250	48 × 664 × 0,10	80,0	7,0	250,0
DR02809		0,10	300	48 × 797 × 0,10	90,0	7,0	300,0
DR02810		0,10	400	48 × 1062 × 0,10	100,0	8,5	400,0

Cross-section [mm ²]	Current carrying capacity - [A]
1	18
1,5	21
2,5	30
4	40
6	55
8	70

Cross-section [mm ²]	Current carrying capacity - [A]
10	85
16	120
25	150
35	195
50	250
70	300

Cross-section [mm ²]	Current carrying capacity - [A]
95	360
120	420
150	480
185	570
240	670
300	780

Cross-section [mm ²]	Current carrying capacity - [A]
400	950
500	1100
625	1300
750	1450
850	1550
1000	1800

Above approx. values: ambient temperature +35 °C, temperature at conductor approx. +70 °C.