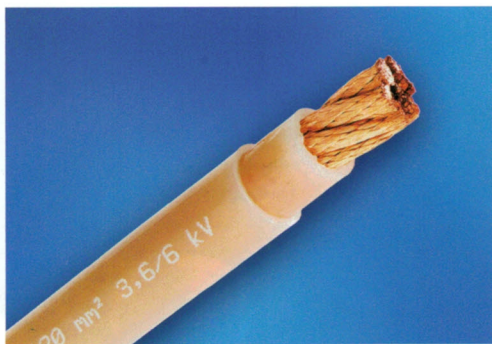
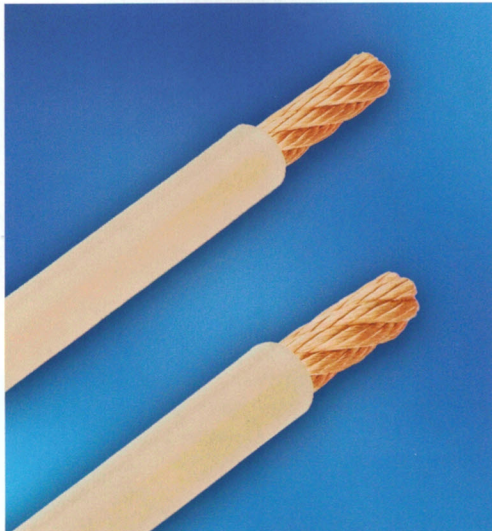


Double insulated copper cables 1,8/3 kV or 3,6/6 kV

highly flexible, free of halogen
and flame retardant



Construction and application

Double silicone insulated highly flexible cables for greater demands on mechanical and electrical stress.

The silicone compound and the copper conductors are the same like our single insulated cables. So we are able to offer also double insulated cables with excellent technical characteristics in a extremely flexible design. The outside diameter of the stripped cables are manufactured in coordination with cable fugs acc. to DIN 46234/DIN 46431 and druseidt cable lugs for fine stranded cables. Nature colour is standard. Other colours and minimum quantities are available on request.

Technical data

Conductor

- round stranded copper cables, made out of annealed Cu-ETP1 wires acc. to DIN 13602
- surface uncoated

Insulation material

- free of halogen, chlorine content < 4 ppm acc. to VDE 0472 part 813 and 814 as well as IEC 754
- hardly inflammable
- self-extinguishing
- testing voltage 10 kV
- dielectric strength 20 kV/mm
- operating voltage
15170-15198 U_0/U 1,8/3 kV
15138-15166 U_0/U 3,6/6 kV
- short circuit resistance SIR + 350° C acc. to VDE 0298 part 3 and 4
- operating temperature
continuously -50° C up to +180° C
shortly +250° C up to +300° C
(by touching with a soldering iron)

	Part.-Nr.	technical data				
		cross-section mm ²	current load	diameter and number of wires	outer-Ø, ca.	ca. thickness of insulation
1,8/3 kV, double insulated	15170	2,5	41 A	651 x 0,07	6,2	1,1 + 1,0
	15172	4,0	55 A	1036 x 0,07	7,0	1,2 + 1,0
	15174	6,0	70 A	1568 x 0,07	8,1	1,2 + 1,2
	15176	10,0	98 A	2562 x 0,07	9,4	1,3 + 1,2
	15178	16,0	132 A	4116 x 0,07	10,7	1,3 + 1,2
	15180	25,0	176 A	3234 x 0,10	12,8	1,6 + 1,2
	15182	35,0	218 A	4508 x 0,10	14,7	1,6 + 1,5
	15184	50,0	276 A	6468 x 0,10	16,7	1,6 + 1,5
	15186	70,0	347 A	8967 x 0,10	19,3	1,6 + 1,8
	15188	95,0	416 A	12201 x 0,10	21,9	1,9 + 1,8
	15190	120,0	488 A	15435 x 0,10	24,4	2,0 + 2,1
	15192	150,0	566 A	19404 x 0,10	26,6	2,1 + 2,1
	15194	185,0	644 A	23580 x 0,10	30,6	2,4 + 2,4
	15196	240,0	775 A	30600 x 0,10	33,1	2,4 + 2,4
	15198	300,0	898 A	38200 x 0,10	37,5	2,4 + 2,4
	3,6/6 kV, double insulated	15138	2,5	43 A	651 x 0,07	8,4
15140		4,0	56 A	1036 x 0,07	9,0	2,0 + 1,2
15142		6,0	71 A	1568 x 0,07	9,7	2,0 + 1,2
15144		10,0	99 A	2562 x 0,07	11,2	2,2 + 1,2
15146		16,0	133 A	4116 x 0,07	12,5	2,2 + 1,2
15148		25,0	174 A	3234 x 0,10	15,2	2,5 + 1,5
15150		35,0	215 A	4508 x 0,10	16,5	2,5 + 1,5
15152		50,0	270 A	6468 x 0,10	19,1	2,5 + 1,8
15154		70,0	338 A	8967 x 0,10	21,1	2,5 + 1,8
15156		95,0	403 A	12201 x 0,10	24,3	2,8 + 2,1
15158		120,0	473 A	15435 x 0,10	26,0	2,8 + 2,1
15160		150,0	546 A	19404 x 0,10	28,4	3,0 + 2,1
15162		185,0	622 A	23580 x 0,10	32,2	3,2 + 2,4
15164		240,0	750 A	30600 x 0,10	34,7	3,2 + 2,4
15166		300,0	850 A	38200 x 0,10	38,3	3,2 + 2,4

Remark:

All information about current-load are approximate values acc. to VDE 0298 part 4 table 15 for single laying of air cooled cables by an ambient temperature +30° C and allowed conductor heat of +90° C. By changing the ambient temperature or the kind of laying reducing factors are to be considered.