

## SPECIAL RUBBER CABLES WITH <VDE> MARK

The mark <VDE> states that ICEL has been initially evaluated and that the production is submitted to a continuous control from the VDE Mark Institute.



Single-core **flexible** cables, rubber insulated and polychloroprene sheathed.

Number and nominal cross-sectional area of conductors n x mm <sup>2</sup>	Maximum diameter of conductor wires mm	Thickness of insulation specified value mm	Thickness of sheath specified value mm	Maximum overall diameter mm	Indicative cable weight g/m	Maximum resistance of conductors at 20°C ohm/km
1 x 1,5	0,26	1,3	0,8	7,0	57	13,7
1 x 2,5	0,26	1,3	0,8	7,5	71	8,21
1 x 4	0,31	1,3	0,8	9,0	90	5,09
1 x 6	0,31	1,3	0,8	9,5	120	3,39
1 x 10	0,41	1,5	0,8	11,0	170	1,95
1 x 16	0,41	1,5	0,8	13,0	230	1,24
1 x 25	0,41	1,6	1,0	15,0	340	0,795
1 x 35	0,41	1,6	1,0	16,5	450	0,565
1 x 50	0,41	1,8	1,0	18,0	590	0,393
1 x 70	0,51	1,8	1,0	20,5	790	0,277
1 x 95	0,51	2,2	1,0	24,0	1020	0,210
1 x 120	0,51	2,2	1,0	26,0	1300	0,164
1 x 150	0,51	2,2	1,2	28,0	1600	0,132
1 x 185	0,51	2,4	1,2	31,0	1900	0,108
1 x 240	0,51	2,6	1,2	34,5	2500	0,0817
1 x 300	0,51	2,8	1,2	38,0	3150	0,0654

**NSGAFÖU 1,8/3 kV** Single-core flexible cables, polychloroprene sheathed.

**Rated voltage:**  $U_0/U = 1,8/3$  kV

**Standards:** DIN VDE 0250 part 602

**European directives:** L.V.D. 2006/95/EC - 2002/95/EC (RoHS).

**Conductor:** flexible annealed tinned copper strand.

**Insulation:** Ethylene-Propylene Rubber (EPR) of type 3GI3, colour neutral.

**Sheath:** Polychloroprene Rubber (PCP) of type 5GM3, colour black.

**Marking:** continuous marking on the sheath «NSGAFÖU 1,8 / 3 kV nominal section LOMBARDA <VDE> production date CE».

**Maximum operating temperature:** 90°C on the conductor.

**Maximum short circuit temperature:** 250°C on the conductor (for maximum 5 seconds).

**Minimum internal bending radius:**

6 times the greatest overall dimension for direct current; 8 times for alternate current.

**Maximum tensile stress:** 1,5 kg/mm<sup>2</sup> of the conductor cross section.

**Guide to Use::**

Power cables for special purposes, suitable for traction vehicles (e.g. on board of trains, trams or underground ect.) and busses, as well as in dry rooms.

These cables are considered to be short-circuit and earth-fault proof in switch boards and distribution boards rated up to 1000 V.

They are also oil resistant and flame retardant on a single vertical cable test.

These cables are to be used only for electrical power transmission and to be installed only by skilled personal.



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