

Besilen® - Silicone Cables

BiAF/GL

Besilen® insulated strands with fibre-glass braiding



Construction:

Conductor: tinned copper strands,
acc. to IEC 60228, VDE 0295, class 5

Insulation: Besilen® EI2
acc. to EN 50363-1 + VDE 0207-363-1

Standard colour: white

Braiding: fibre-glass

Impregnation: impregnating lacquer

Technical data:

Nominal voltage: U_o/U 300/500 V

Testing voltage: 2000 V

Min. bending radius: 7.5 x d

Radiation resistance: 2 x 10⁷ cJ/kg

Temperature range cable

fixed laying: -40/+180 °C

flexible application: -25/+180 °C

short time use: +250 °C

Halogen-free: acc. to IEC 60754-1 + VDE 0482-754-1

Fire performance: flame retardant and self-extinguishing acc. to IEC 60332-1-2 + VDE 0482-332-1-2

Corrosiveness of conflagration gases: IEC 60754-2 + VDE 0482-754-2
- no development of corrosive conflagration gases

Absence of harmful substances: acc. to RoHS directive of the European Union, see chapter N „Technical data“

Outstanding features:

- » halogen-free
- » flexible at low temperatures
- » heat resistant
- » flexible

item no.	nominal cross section mm ²	largest single wire ø mm	outer-ø ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
01230050	0,50	0,21	2,4	4,8	11
01230070	0,75	0,21	2,7	7,2	13
01230100	1,00	0,21	2,8	9,6	19
01230150	1,50	0,26	3,3	14,4	21
01230250	2,50	0,26	3,9	24,0	34
01230400	4,00	0,31	4,5	38,4	48
01230600	6,00	0,31	5,0	57,6	67
01231000	10,00	0,41	6,6	96,0	118
01231600	16,00	0,41	8,0	153,6	178
01232500	25,00	0,41	9,8	240,0	276
01233500	35,00	0,41	11,2	336,0	379
01235000	50,00	0,41	12,0	480,0	535
01237000	70,00	0,41	15,1	672,0	710
01239500	95,00	0,51	17,6	912,0	976

Other dimensions and colours are possible on request.