

B 120 Besilen® insulated strands U_o/U 3.6/6 kV



Construction:

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

Insulation: Besilen® EI2 acc. to DIN EN 50363-1

Technical data:

Nominal voltage: U_o/U 3,6/6 kV

Testing voltage: 11000 V

Min. bending radius: 7,5 x d

Temperature range
fixed laying: -40/+180 °C
flexible application: -25/+180 °C

Halogen-free: acc. to DIN VDE 0472 part 815 + IEC 60754-1

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

Corrosiveness of conflagration gases: IEC 60754-2 + EN 50267-2-2 + VDE 0482 part 267-2-2 - no development of corrosive conflagration gases

Weather resistance: very good

Absence of harmful substances: acc. to RoHS directive of the European Union see page N/17

Outstanding features:

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

item no.	nominal cross section mm ²	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
0120 .. 82	1,50	0,26	6,8	14,4	62
0120 .. 84	2,50	0,26	7,3	24,0	76
0120 .. 86	4,00	0,31	7,9	38,4	97
0120 .. 87	6,00	0,31	8,4	57,6	119
0120 .. 88	10,00	0,41	10,3	96,0	185
0120 .. 89	16,00	0,41	11,3	153,6	248
0120 .. 90	25,00	0,41	13,4	240,0	377

item no.	nominal cross section mm ²	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
0120 .. 91	35,00	0,41	14,6	336,0	488
0120 .. 92	50,00	0,41	16,9	480,0	662
0120 .. 93	70,00	0,41	17,9	672,0	856
0120 .. 94	95,00	0,51	21,5	912,0	1168
0120 .. 95	120,00	0,51	23,0	1152,0	1386
0120 .. 96	150,00	0,51	24,7	1440,0	1680
0120 .. 97	185,00	0,51	25,7	1776,0	1986

Other dimensions and colours are possible on request.

*** Colour code for single conductors:**

- | | |
|-------------|-------------------|
| 01 = black | 06 = green |
| 02 = blue | 07 = violet |
| 03 = brown | 08 = white |
| 04 = grey | 16 = enzianblue |
| 05 = yellow | 27 = green-yellow |