

B 118 Besilen® insulated strands U_o/U 0.6/1 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

Outstanding features:

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

Technical data:

Nominal voltage:	U _o /U 0.6/1 kV
Testing voltage:	4000 V
Min. bending radius:	7.5 x d
Temperature range	
<i>fixed laying:</i>	-40/+180 °C
<i>flexible application:</i>	-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

item no.	nominal cross section mm ²	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
0118 .. 50	0,50	0,21	2,6	4,8	11
0118 .. 75	0,75	0,21	2,9	7,2	15
0118 .. 80	1,00	0,21	3,0	9,6	17
0118 .. 82	1,50	0,26	3,2	14,4	22
0118 .. 84	2,50	0,26	3,9	24,0	34
0118 .. 86	4,00	0,31	4,7	38,4	52
0118 .. 87	6,00	0,31	5,2	57,6	71
0118 .. 88	10,00	0,41	7,5	96,0	121
0118 .. 89	16,00	0,41	8,5	153,6	186
0118 .. 90	25,00	0,41	10,4	240,0	298
0118 .. 91	35,00	0,41	11,6	336,0	401
0118 .. 92	50,00	0,41	14,3	480,0	571
0118 .. 93	70,00	0,41	15,3	672,0	759
0118 .. 94	95,00	0,51	18,7	912,0	1043
0118 .. 95	120,00	0,51	20,2	1152,0	1251
0118 .. 96	150,00	0,51	22,3	1440,0	1554
0118 .. 97	185,00	0,51	23,7	1776,0	1876
0118 .. 98	240,00	0,51	27,4	2304,0	2518
0118 .. 99	300,00	0,51	30,5	2880,0	3136

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

