

BiA Besilen® insulated wire



Construction:

Conductor:	solid tinned copper wire acc. to IEC 60228, EN 60228, VDE 0295, class 1
Insulation:	Besilen® EI2 acc. to DIN EN 50363-1

Outstanding features:

- ▶ halogen-free
- ▶ heat resistant
- ▶ EAC approval

Technical data:

Nominal voltage:	U ₀ /U 300/300 V
Testing voltage:	2000 V
Min. bending radius:	75 x d
Radiation resistance:	2 x 10 ⁷ cJ/kg
Temperature range	
<i>fixed laying:</i>	-40/+180 °C
<i>flexible application:</i>	-25/+180 °C
<i>short-time use:</i>	+250 °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
Chem. resistance:	see page N/11
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	nominal wire-ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
0111005...*	0,50	0,80	1,8	4,8	8
0111007...*	0,75	0,98	2,0	7,2	10
0111010...*	1,00	1,13	2,1	9,6	13
0111015...*	1,50	1,38	2,6	14,4	19
0111025...*	2,50	1,78	3,2	24,0	31
0111040...*	4,00	2,26	3,7	38,4	47
0111060...*	6,00	2,76	4,2	57,6	67
0111100...*	10,00	3,57	5,6	96,0	114

Other dimensions and colours are possible on request.

* Colour code for single conductors:

...0 = green-yellow	...4 = grey
...1 = blue	...5 = white
...2 = black	...6 = reddish brown
...3 = brown	...7 = red