

BiAF/GL Besilen® insulated strands with fibre-glass braiding



Construction:

Conductor:	tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	Besilen® E12 acc. to DIN EN 50363-1
Standard colour:	nature
Braiding:	fibre-glass
Impregnation:	impregnating lacquer

Outstanding features:

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

Technical data:

Nominal voltage:	U ₀ /U 300/500 V
Testing voltage:	2000 V
Min. bending radius:	7,5 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 and 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
Absence of harmful substances:	acc. to RoHS directive of the European Union see page N/14

item no.	nominal cross section mm ²	largest single wire ø mm	outer-ø ± 5% 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	16
01230100	1,00	0,21	2,8	9,6	18
01230150	1,50	0,26	3,2	14,4	23
01230250	2,50	0,26	3,9	24,0	35
01230400	4,00	0,31	4,5	38,4	51
01230600	6,00	0,31	5,2	57,6	74

item no.	nominal cross section mm ²	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
01231000	10,00	0,41	7,3	96,0	135
01231600	16,00	0,41	8,3	153,6	198
01232500	25,00	0,41	10,2	240,0	306
01233500	35,00	0,41	11,4	336,0	403
01235000	50,00	0,41	14,1	480,0	571
01237000	70,00	0,41	15,1	672,0	758
01239500	95,00	0,51	18,5	912,0	1045

Other dimensions and colours are possible on request.