

Besilen® - Silicone Cables

B 107

highly flexible Besilen® insulated HV single core

Nominal voltage up to
U₀/U 1,8/3 kV



BRÜCKSKES · D-VIERSEN · B 107 U₀/U 1,8/3 kV 95,0mm²



Marking for B 107 01079500:

SAB BRÜCKSKES · D-VIERSEN · B 107 U₀/U 1,8/3 kV 95,0mm²

Application: Highly flexible single core for switchboard wiring and the use in energy storage systems, test benches or power wiring.

Construction:

Conductor:	bare copper strands, extra fine wires
Insulation:	Besilen® EI2 acc. to EN 50363-1 + VDE 0207-363-1
Colour:	translucent

Technical data:

Nominal voltage:	U ₀ /U 1,8/3,0 kV
Testing voltage:	6500 V
Current-carrying capacity:	acc. to VDE 0298-4, see chapter N „Technical data“
Min. bending radius:	5 x d
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 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
Weather resistance:	very good
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

Outstanding features:



- extremely flexible
- halogen-free
- heat resistant
- flexible at low temperatures
- flame retardant and self-extinguishing
- weather resistant

item no.	nominal cross section mm ²	largest single wire ø mm	outer-ø ± 5% mm	copper figure kg/km	cable weight ≈ kg/km
01070100	1,00	0,07	4,3	9,6	25
01070150	1,50	0,07	4,7	14,4	32
01070250	2,50	0,07	5,2	24,0	43
01070400	4,00	0,07	5,9	38,4	60
01070600	6,00	0,07	6,3	57,6	80
01071000	10,00	0,07	9,0	96,0	146
01071600	16,00	0,07	9,3	153,6	196
01072500	25,00	0,10	12,0	240,0	314
01073500	35,00	0,10	13,8	336,0	426
01075000	50,00	0,10	15,7	480,0	581
01077000	70,00	0,10	17,7	672,0	777
01079500	95,00	0,10	18,8	912,0	1012
01071200	120,00	0,10	20,5	1152,0	1244
01071500	150,00	0,10	23,7	1440,0	1551
01071850	185,00	0,15	25,3	1776,0	1893
01072400	240,00	0,15	27,9	2304,0	2509
01073000	300,00	0,15	30,8	2880,0	3003

* Colour code for copper rope, position 8 of the item no.:

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|------------------|------------|
| 1 = green-yellow | 5 = green |
| 2 = blue | 6 = white |
| 3 = black | 7 = orange |
| 4 = brown | 8 = red |

Other dimensions and colours are possible on request.



**Copper rope
with orange sheath
for E-Mobility HV test benches.**