

BESILEN® (SILICONE) CABLES



Construction:

Conductor:	tinned copper strands acc. to IEC 60228, EN 60228, VDE 0295, class 5
Insulation:	Besilen® EI2 acc. to DIN EN 50363-1
Braiding:	fibre-glass
Sheath material:	Besilen® 2GM1 acc. to DIN VDE 0207 part 21
Sheath colour:	blue (similar RAL 5012)

Outstanding features:

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

Technical data:

Testing voltage:	20000 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
Chem. resistance:	see page N/9
Weather resistance:	very good
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
01040101	1,00	0,21	8,0	9,6	78
01040115	1,50	0,26	8,5	14,4	95

Other dimensions and colours are possible on request.

A cable with diameter 1.5mm is used.

Remarks: For the use with high voltages and great temperature difference, conditional oil resistant.