

Besilen® - Silicone Cables

Besilen® ESD Control Cable

Besilen® insulated strands with antistatic Besilen® outer sheath for ESD protective components

electrostatic
discharge



marking example:

SAB BRÜCKSKES · D-VIERSEN · ESD-Control Cable 2x4,0mm² 0173-0004 CE

Application: Control cable for test bench measurement technology, e.g. for test adapters of control units.

Construction:

Conductor:	tinned copper strands, extra fine wires
Insulation:	Besilen®
Colour code:	black cores with consecutive numbers acc. to EN 50334 + VDE 0293-334
CAN-Bus element	
Colour code:	acc. to DIN 47100
Screen:	tinned copper braiding
Stranding:	in layers
Sheath material:	special Besilen®
Sheath colour:	black (similar RAL 9005)

Outstanding features:

- » high flexibility
- » antistatic outer sheath
- » ESD - electrostatic discharge

Technical data:

Nominal voltage:	U ₀ /U 300/500 V
Testing voltage:	core/core 2000 V
CAN-Bus element	
Peak operating voltage:	max. 350 V
Testing voltage:	core/core 1500 V core/screen 1200 V
Min. bending radius	
<i>fixed laying:</i>	5 x d
<i>flexible application:</i>	10 x d
Temperature range	
<i>fixed laying:</i>	-40/+180 °C
<i>flexible application:</i>	-25/+180 °C
Surface resistance:	1 x 10 ⁴ - 1 x 10 ⁹ Ω acc. to EN 50395 section 11
Absence of harmful substances:	acc. to RoHS directive of the European Union, see chapter N „Technical data“

item no.	no. of cores x cross section n x mm ²	outer-φ ± 10% mm	copper figure kg/km	cable weight ≈ kg/km
01730002	30 x 1,00	18,2	288,0	478
01730003	26 x 1,00	16,8	249,6	396
01730004	2 x 4,00	10,6	76,8	145
01730005	3 x 4,00	11,2	115,2	188
01730006	4 x 1,00 + (2 x 0,50)C CB	12,2	69,5	166
01730007	6 x 0,50	7,2	28,8	69

Other dimensions and colours are possible on request.

