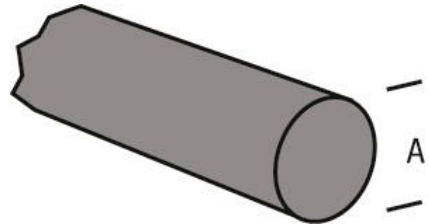


The easy to install **solid round cords** made of conductive silver-copper coating over a non-conductive silicone core are especially soft and elastic and feature good compression sets.

Non-conductive fillers are used for the sealing core resulting in ideal properties concerning pressure and resistance to age. The excellent electrical conductivity is ensured by the silver-copper coating (AGCU).

- Extensive standard programme
- Customer-specific lengths, cross-section designs and pasted O-rings available
- Endless lengths as yard goods available
- Conductive AGCU coating as standard, also available without coating



## PRODUCT SPECIFICATIONS

PROPERTY	VALUE / TOLERANCE	TEST METHOD
Core	Silicone solid material, non-conductive	-
Standard coating	ACGU, conductive	-
Coating strength	0,15 mm ± 0,1	-
Outer diameter range (A)	1,2 – 5,5 mm	-
Density°	App. 1,2 – 2,3 g/cm <sup>3</sup>	DIN 53479 A
Hardness°	App. 60 Shore A ± 6	DIN 53505
Volume resistance	0,008 Ω*cm	VDE 0303
Temperature range	-55 – 125 °C	-
Elongation at break	>40 %	DIN 53504-S1
Tensile strength	1,8 MPa	DIN 53504-S1
Tear strength	3,3 N/mm	ASTM D624B
Compression test (70h @ 100°C)	<35	ASTM D395B
Colour	Beige	-

° Density and hardness decreases proportionally to the increasing outer diameter

## BUILDING AN ITEM NUMBER

**SDB-OD-XXXX**

Solide Silicone Cord

xx	Outer diameter (mm)
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AGCU	Silver-copper coated, conductive
X	Non-coated

### Standard options

**EXAMPLE**

**SDB-1,50-AGCU**

Solid silicone cord; cross-section dimension: 1,50 mm; conductive AGCU coated

## STANDARD DIMENSIONS AND TOLERANCES

OUTER DIAMETER (mm)	TOLERANCE (mm)
1,20	± 0,15
1,50	± 0,15
1,80	± 0,15
2,00	± 0,15
2,30	± 0,20
2,50	± 0,20
2,80	± 0,25
3,00	± 0,25

OUTER DIAMETER (mm)	TOLERANCE (mm)
3,30	± 0,25
3,50	± 0,25
3,80	± 0,25
4,00	± 0,30
4,30	± 0,30
4,50	± 0,30
4,80	± 0,30
5,50	± 0,35

## SHIELDING EFFECTIVENESS

H-field (10 KHz)	E-field (1 MHz)	P-field (1 GHz)
67 dB	130 dB	110 dB

Modifications and errors excepted. The information and statements herein are believed to be reliable but are not to be construed as a warranty or representation for which we assume legal responsibility. Users should undertake sufficient verifications and testings to determine the suitability for their own particular purpose of any information or products referred to herein.