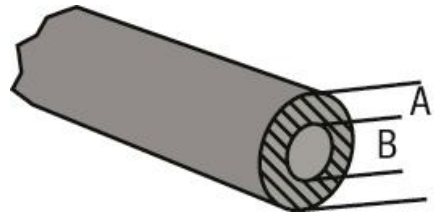


The easy to install **hollow round cords** made of conductive silver-copper coating over a non-conductive silicone core are especially soft and elastic and feature good compression sets.

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



RoHS



REACH



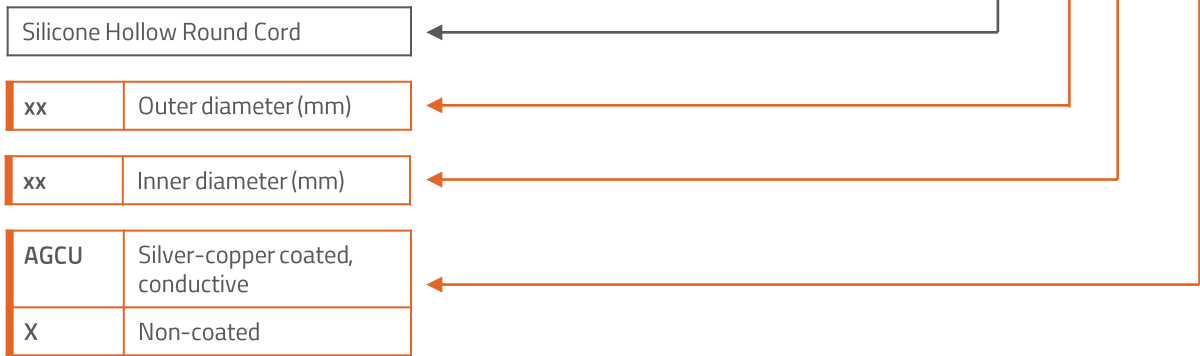
## PRODUCT SPECIFICATIONS

PROPERTY		VALUE / TOLERANCE	TEST METHOD
Core		Silicone tube, non-conductive	-
Standard coating		ACGU, conductive	-
Coating strength		0,15 mm ± 0,1	-
Dimension range	Outer diameter (A)	1,30 – 5,80 mm	-
	Inner diameter (B)	0,50 – 2,00 mm	
Density°		App. 1,2 – 1,4 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		1,2 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

### SDC-AxB-XXXX



### Standard options

#### EXAMPLE

SDC-1,30x0,50-AGCU

Silicone hollow round cord; outer diameter: 1,30 mm; inner diameter: 0,50 mm; conductive AGCU coated

## STANDARD DIMENSIONS AND TOLERANCES

OUTER DIAMETER (mm)	INNER DIAMETER (mm)	TOLERANCE (mm)
1,30	0,50	± 0,15
1,50	0,50	± 0,15
1,60	0,50	± 0,20
1,80	1,00	± 0,20
2,00	0,80	± 0,20
2,10	0,80	± 0,20
2,30	1,00	± 0,20
2,60	1,00	± 0,25

OUTER DIAMETER (mm)	INNER DIAMETER (mm)	TOLERANCE (mm)
3,00	1,00	± 0,25
3,00	1,50	± 0,25
3,30	1,50	± 0,25
3,60	1,50	± 0,25
4,10	1,50	± 0,25
4,80	2,00	± 0,30
5,30	2,00	± 0,30
5,80	2,00	± 0,35

## SHIELDING EFFECTIVENESS

H-field (10 KHz)	E-field (1 MHz)	P-field (1 GHz)
60 dB	100 dB	90 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.