

The easy to install **foam 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 foamed sealing core resulting in ideal properties concerning pressure and resistance to age. The excellent electrical conductivity is ensured by the silver-copper coating (AGCU).



Features

Extensive standard programme

Customer-specific lengths, cross-section designs and pasted O-rings available

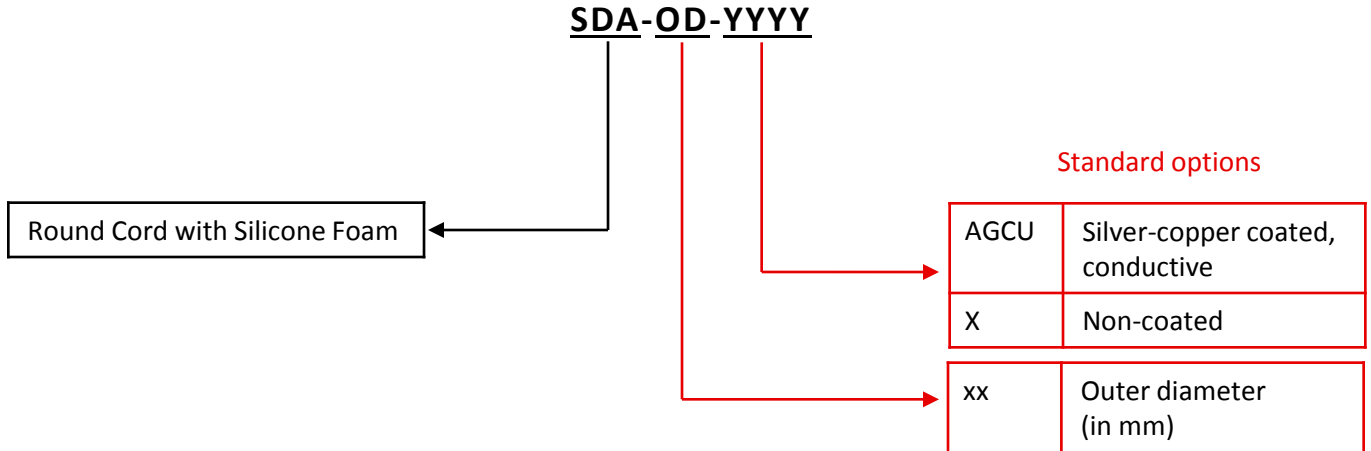
Endless lengths as yard goods available

Conductive AGCU coating as standard, also available without coating

Property	Value	Unit	Tolerance	Test method
Core	Silicone foam, non-conductive	-	-	-
Standard coating	AGCU, conductive	-	-	-
Coating strength	0,15	mm	± 0,1	-
Outer diameter range (A)	1,5 – 6,0	mm	± 0,18 – 0,35	-
Density [°]	App. 0,6 – 1,8	g/cm ³	-	DIN 53479 A
Hardness [°]	App. 20 – 35	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
Tear strength	1,3	N/mm ²	-	DIN 53504-S1
Tearing resistance	3,3	N/mm	-	ASTM D624B
Compression test	< 40	70h @ 100°C	-	ASTM D395B
Colour	Beige	-	-	-

[°] Density and hardness decreases proportionally to the increasing outer diameter

BUILDING AN ITEM NUMBER



Example: SDA-1,50-AGCU

Round cord with silicone foam; cross-section dimension: 1,50 mm; conductive AGCU coated

STANDARD DIMENSIONS AND TOLERANCES (in mm)

Outer diameter (A)	Tolerance	Outer diameter (A)	Tolerance
1,50	± 0,18	3,80	± 0,30
1,80	± 0,20	4,00	± 0,30
2,00	± 0,20	4,30	± 0,30
2,30	± 0,20	4,50	± 0,30
2,50	± 0,25	4,80	± 0,35
2,80	± 0,25	5,00	± 0,35
3,00	± 0,25	5,30	± 0,35
3,30	± 0,25	5,50	± 0,35
3,50	± 0,25	6,00	± 0,35

SHIELDING EFFECTIVENESS (in dB)

H-field	10 KHz	72
E-field	1 MHz	115
P-field	1 GHz	85