

SRG – W & SRG – N

Silicone Rubber Braided Tube

General insulating protection for various household appliances, light fitting, machines, electronic instruments, etc.

Features

1. Two types: Inner fiberglass outside braided silicone rubber (SRG-N) Inner silicone rubber outside fiberglass braided (SRG-W).

2. Operating Temperature: $-60^{\circ}\text{C} \sim 200^{\circ}\text{C}$

3. RoHS Compliant ; UL approved

4. Good flexibility, arc resistance, corona-resistant

5. Standard Color: White (Other colors upon request)



Dimensions (SRG-N)

Size (mm)	I.D. tolerance (mm)	Average Wall Thickness (mm)			Package (M/Spool)
		1500V, 2500V	4000V(mm)	7000V	
0.5	0.5 ± 0.20	0.20 ± 0.05	0.40 ± 0.05	0.45 ± 0.05	100
1.0	1.0 ± 0.20	0.20 ± 0.05	0.40 ± 0.05	0.45 ± 0.05	100
1.5	1.5 ± 0.20	0.20 ± 0.05	0.40 ± 0.05	0.45 ± 0.05	100
2.0	2.0 ± 0.20	0.20 ± 0.05	0.40 ± 0.05	0.45 ± 0.05	100
2.5	2.5 ± 0.20	0.20 ± 0.05	0.40 ± 0.05	0.50 ± 0.05	100
3.0	3.0 ± 0.25	0.23 ± 0.05	0.40 ± 0.05	0.50 ± 0.05	100
3.5	3.5 ± 0.25	0.23 ± 0.05	0.45 ± 0.05	0.55 ± 0.05	100
4.0	4.0 ± 0.25	0.23 ± 0.05	0.45 ± 0.05	0.55 ± 0.05	100
4.5	4.5 ± 0.25	0.23 ± 0.05	0.45 ± 0.05	0.55 ± 0.05	100
5.0	5.0 ± 0.35	0.30 ± 0.05	0.45 ± 0.05	0.55 ± 0.05	100
6.0	6.0 ± 0.35	0.30 ± 0.05	0.50 ± 0.05	0.60 ± 0.05	100
7.0	7.0 ± 0.50	0.35 ± 0.05	0.50 ± 0.05	0.60 ± 0.05	50
8.0	8.0 ± 0.50	0.35 ± 0.05	0.50 ± 0.05	0.60 ± 0.05	50
9.0	9.0 ± 0.50	0.35 ± 0.05	0.50 ± 0.05	0.60 ± 0.05	50
10.0	10.0 ± 0.70	0.43 ± 0.05	0.60 ± 0.05	0.60 ± 0.05	50
12.0	12.0 ± 0.70	0.43 ± 0.05	0.60 ± 0.05	0.60 ± 0.05	30
13.0	13.0 ± 0.70	0.43 ± 0.05	0.60 ± 0.05	0.60 ± 0.05	30

14.0	14.0 ± 0.70	0.43 ± 0.05	0.60 ± 0.05	0.60 ± 0.05	30
15.0	15.0 ± 0.80	0.43 ± 0.05	0.60 ± 0.05	0.60 ± 0.05	30
16.0	16.0 ± 0.80	0.43 ± 0.05	0.60 ± 0.05	0.60 ± 0.05	30
17.0	17.0 ± 0.80	0.43 ± 0.05	0.60 ± 0.05	0.60 ± 0.05	30
18.0	18.0 ± 0.80	0.43 ± 0.05	0.60 ± 0.05	0.60 ± 0.05	30
19.0	19.0 ± 0.80	0.43 ± 0.05	0.60 ± 0.05	0.60 ± 0.05	30
20.0	20.0 ± 0.80	0.43 ± 0.05	0.60 ± 0.05	0.60 ± 0.05	30

Dimensions (SRG-W)

Size (mm)	I.D. tolerance (mm)	Average Wall Thickness (mm)			Package (M/Coil)
		1500V, 2500V	4000V(mm)	7000V	
1.0	1.0 ± 0.15	0.20 ± 0.05	0.40 ± 0.05	0.45 ± 0.05	100
2.0	2.0 ± 0.15	0.20 ± 0.05	0.40 ± 0.05	0.45 ± 0.05	100
3.0	3.0 ± 0.15	0.23 ± 0.05	0.40 ± 0.05	0.50 ± 0.05	100
4.0	4.0 ± 0.15	0.23 ± 0.05	0.45 ± 0.05	0.55 ± 0.05	100
5.0	5.0 ± 0.20	0.30 ± 0.05	0.45 ± 0.05	0.55 ± 0.05	100
6.0	6.0 ± 0.20	0.30 ± 0.05	0.50 ± 0.05	0.60 ± 0.05	100
7.0	7.0 ± 0.20	0.35 ± 0.05	0.50 ± 0.05	0.60 ± 0.05	50
8.0	8.0 ± 0.25	0.35 ± 0.05	0.50 ± 0.05	0.60 ± 0.05	50
9.0	9.0 ± 0.25	0.35 ± 0.05	0.50 ± 0.05	0.60 ± 0.05	50
10.0	10.0 ± 0.25	0.43 ± 0.05	0.60 ± 0.05	0.60 ± 0.05	50

Technical Data

Property	Test Method	Standard Required
Dielectric strength (kV/mm)	IEC 243	≥18
Volume resistance (Ω·Cm)	IEC 93	≥1X10 ¹⁴
Tensile Strength (Mpa)	ASTM D412	≥4 Mpa
Elongation (□)	ASTM D412	≥201
Flammability (White color only)	ISO 1210	FV-1

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