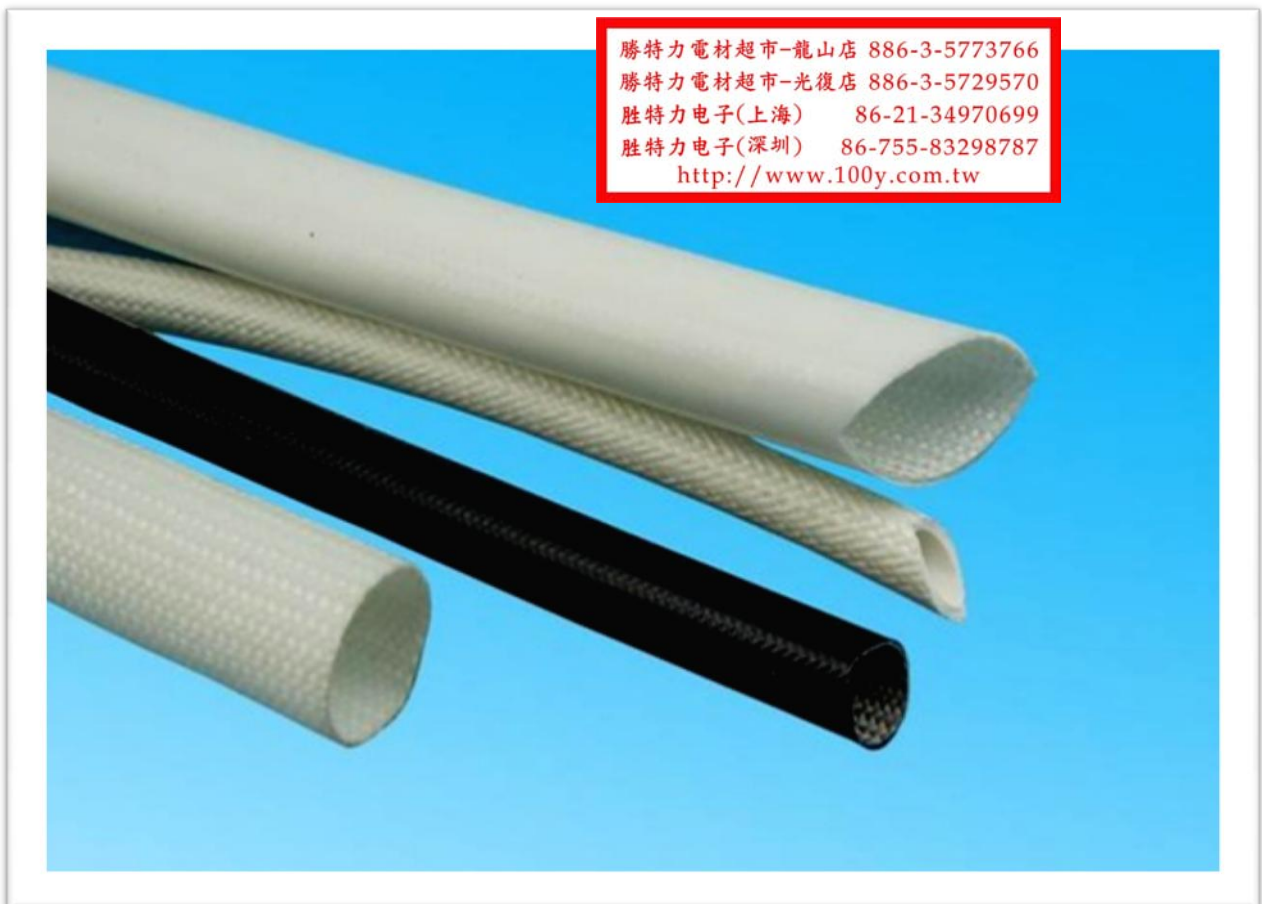


# 玻璃纤维套管

## Fiberglass sleeving

玻璃纤维套管主要分为内纤外胶（SRG-N）、内胶外纤（SRG-W）两种类型。SRG-N 是由无碱玻璃纤维纱编织成胚管，然后涂覆硅胶经高温处理制成。SRG-W 是由硅橡胶挤出成管后，外加于编织玻纤，再经涂覆硅树脂高温处理而成。此款产品具有自熄性、耐磨性、抗撕裂性、柔软绝缘、机械性能良好等特点，主要应用于电子、电器、汽车线束、H 和 C 类电机、变压器、逆变器、电感器、电抗器、发电机、加热照明设备等领域。

Fiberglass sleeving is mainly divided into two categories, which are inner fiberglass outer silicone resin ( SRG-N) and inner silicone rubber outer fiberglass( SRG-W). SRG-N is made of no-alkali fiberglass yarn woven into the tube, and then coated with silicone resin by high temperature treatment. Because of its flame resistance, wear resistance, tear resistance, flexible, insulation, SRG-N is applied in the areas such as internal wiring of electronics, electrical appliances and automotive, motors, household appliances, etc. SRG-W is extruded into tubes by silicone rubber, which is wrap the woven fiberglass ,and then coated with silicone resin at high temperature. Due to its excellent high temperature-insulation performance, SRG-W is also widely used in electronic appliances, lighting, industrial machinery, heating products and other high temperature place.



# 性能特性

## Performance characteristics

参考标准: UL1441 Reference standard: UL1441	
项目 Item	性能指标 Performance index
连续使用温度 Operating temperature	<b>-40℃ ~ +200℃</b>
耐高温性 Temperature tolerance	<b>265℃ ± 2℃ * 168h ≥ 1/2</b> 原电压值 200℃ ± 2℃ * 168h ≥ 1/2 Original voltage value
热老化 Thermal ageing test	250℃ * 6 小时, 无裂纹 250℃ * 6h, No crack
冷弯曲 Cold bend	无裂纹 No Crack
垂直燃烧 Vertical flame test	<b>VW-1</b>
体积电阻率 Volume resistivity	<b>≥ 10<sup>11</sup> Ω.cm</b>
环保标准 Environmental standards	<b>RoHS, REACH</b>
UL 认证号 Code	<b>E490480</b>
颜色 Color	常规为白色;黑、蓝、绿、红、黄、橙等可定制。 <b>General color : White.</b> <b>Custom color: Black, Blue, Green, Red, Yellow, Orange, and so on.</b>

型号 Type	耐高温等级℃ Thermal resistance level (°C)	平均耐电压 (V) Average voltage resistance (V)	最小耐电压 (V) Minimum voltage resistance (V)
SRG-N-12	-40℃ ~ +200℃	1200	800
SRG-N-15	-40℃ ~ +200℃	1500	1000
SRG-N-25	-40℃ ~ +200℃	2500	1800
SRG-N-40	-40℃ ~ +200℃	4000	3000
SRG-N-70	-40℃ ~ +200℃	7000	5000
SRG-W-70	-40℃ ~ +200℃	7000	5000

## SRG-N（内纤外胶）玻纤套管产品规格

SRG-N（Fiber inside rubber outside）Fiberglass sleeving dimension

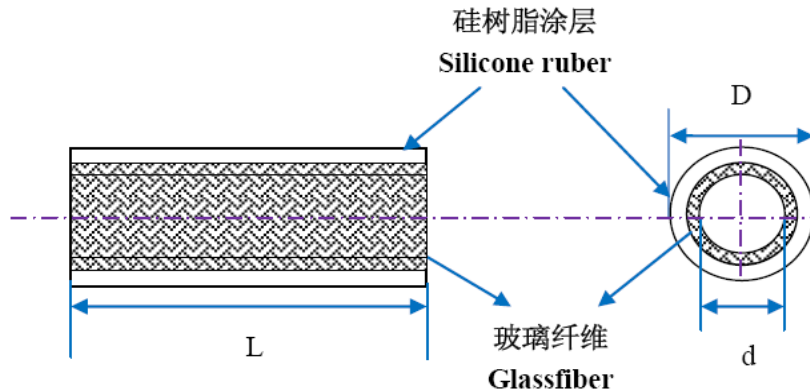
内径 (mm) Inner diameter (mm)	公差 (mm) Allowance (mm)	最小壁厚 (mm) Min W.T.					包装标准 (米/卷) Packing standard (m/r)
		SRG-N-12	SRG-N-15	SRG-N-25	SRG-N-40	SRG-N-70	
Φ1.0	+0.3, -0.1	≥0.20	≥0.23	≥0.25	≥0.35	≥0.37	200
Φ1.5	+0.3, -0.1	≥0.20	≥0.23	≥0.25	≥0.35	≥0.37	200
Φ2.0	+0.3, -0.1	≥0.20	≥0.23	≥0.25	≥0.35	≥0.37	200
Φ2.5	+0.3, -0.1	≥0.20	≥0.23	≥0.25	≥0.35	≥0.37	200
Φ3.0	+0.3, -0.1	≥0.23	≥0.25	≥0.27	≥0.37	≥0.40	100
Φ3.5	+0.3, -0.1	≥0.23	≥0.25	≥0.27	≥0.37	≥0.40	100
Φ4.0	+0.3, -0.1	≥0.23	≥0.25	≥0.27	≥0.37	≥0.40	100
Φ4.5	+0.3, -0.1	≥0.23	≥0.25	≥0.27	≥0.37	≥0.40	100
Φ5.0	+0.4, -0.1	≥0.25	≥0.30	≥0.32	≥0.40	≥0.45	100
Φ6.0	+0.4, -0.1	≥0.25	≥0.30	≥0.32	≥0.40	≥0.45	100
Φ7.0	+0.4, -0.1	≥0.25	≥0.30	≥0.32	≥0.40	≥0.45	100
Φ8.0	+0.4, -0.1	≥0.25	≥0.30	≥0.32	≥0.40	≥0.45	100
Φ9.0	+0.4, -0.2	≥0.25	≥0.30	≥0.32	≥0.40	≥0.45	50
Φ10.0	+0.5, -0.2	≥0.38	≥0.40	≥0.42	≥0.45	≥0.50	50
Φ12.0	+1.0, -1.0	≥0.38	≥0.40	≥0.42	≥0.45	≥0.50	50
Φ13.0	+1.0, -1.0	≥0.38	≥0.40	≥0.42	≥0.45	≥0.50	50
Φ14.0	+1.0, -1.0	≥0.38	≥0.40	≥0.42	≥0.45	≥0.50	50
Φ16.0	+1.0, -1.0	≥0.38	≥0.40	≥0.42	≥0.45	≥0.50	50
Φ18.0	+1.0, -1.0	≥0.38	≥0.40	≥0.42	≥0.45	≥0.50	25
Φ20.0	+1.0, -1.0	≥0.40	≥0.40	≥0.42	≥0.45	≥0.50	25
Φ25.0	+1.0, -1.0	≥0.40	≥0.45	≥0.47	≥0.50	≥0.55	25
Φ30.0	+1.0, -1.0	≥0.40	≥0.45	≥0.47	≥0.50	≥0.55	25
Φ35.0	+1.0, -1.0	≥0.40	≥0.45	≥0.47	≥0.50	≥0.55	25
Φ40.0	+1.0, -1.0	≥0.40	≥0.45	≥0.47	≥0.50	≥0.55	25

### SRG-W（内胶外纤）玻纤套管产品规格

SRG-W（Rubber inside fiber outside）Fiberglass sleeving dimension

内径（mm） Inner diameter （mm）	公差（mm） Allowance （mm）	最小壁厚（mm） Min W.T.（mm）	包装标准（米/卷） Packing standard （m/r）
		SRG-W-70	
Φ 1.0	+0.20, -0.10	≥0.60	100
Φ 1.5	+0.30, -0.20	≥0.60	100
Φ 2.0	+0.30, -0.20	≥0.60	100
Φ 2.5	+0.30, -0.20	≥0.60	100
Φ 3.0	+0.30, -0.20	≥0.80	100
Φ 3.5	+0.30, -0.20	≥0.80	100
Φ 4.0	+0.40, -0.20	≥0.80	100
Φ 4.5	+0.30, -0.20	≥0.80	100
Φ 5.0	+0.40, -0.20	≥0.80	100
Φ 6.0	+0.40, -0.20	≥1.00	100
Φ 7.0	+0.50, -0.30	≥1.00	50
Φ 8.0	+0.50, -0.30	≥1.00	50
Φ 9.0	+0.50, -0.30	≥1.00	50
Φ 10.0	+1.00, -0.50	≥1.00	50

DYL-K 7000V硅树脂玻璃纤维扩张管套管图样  
 DYL-K 7000V Silicone glass fiber expansion pipe sleeve drawing



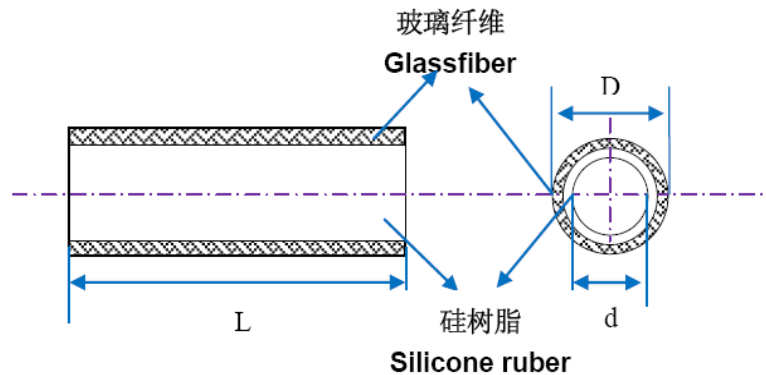
标注 (Note):

L —— 管材长度, Tube length;

d —— 内径, Inner diameter;

D —— 外径, outside diameter; W —— 壁厚, W.T.,  $W = 0.5*(D-d)$ 。

SRG-W (内胶外纤) 玻纤套管产品图样  
 SRG-W (Rubber inside fiber outside) Fiberglass sleeving drawing



标注 (Note):

L —— 管材长度, Tube length;

d —— 内径, Inner diameter;

D —— 外径, outside diameter; W —— 壁厚, W.T.,  $W = 0.5*(D-d)$ 。

勝特力電材超市-龍山店 886-3-5773766  
 勝特力電材超市-光復店 886-3-5729570  
 勝特力電子(上海) 86-21-34970699  
 勝特力電子(深圳) 86-755-83298787  
<http://www.100y.com.tw>