



产品规格承认书 A/4

Product Specification A/4

产品名称 Product Name	玻璃纤维套管 Fiberglass sleeving	客户代码 Customer Code	
规格 Size		客户编号 Customer NO.	

供应商（深圳市沃尔核材股份有限公司）

SUPPLIER (ShenZhen Woer Heat—Shrinkable Material Co.,Ltd.)

编制/日期 PREPARE/DATE	审批/日期 AUTHORIZE/DATE
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客户

CUSTOMER

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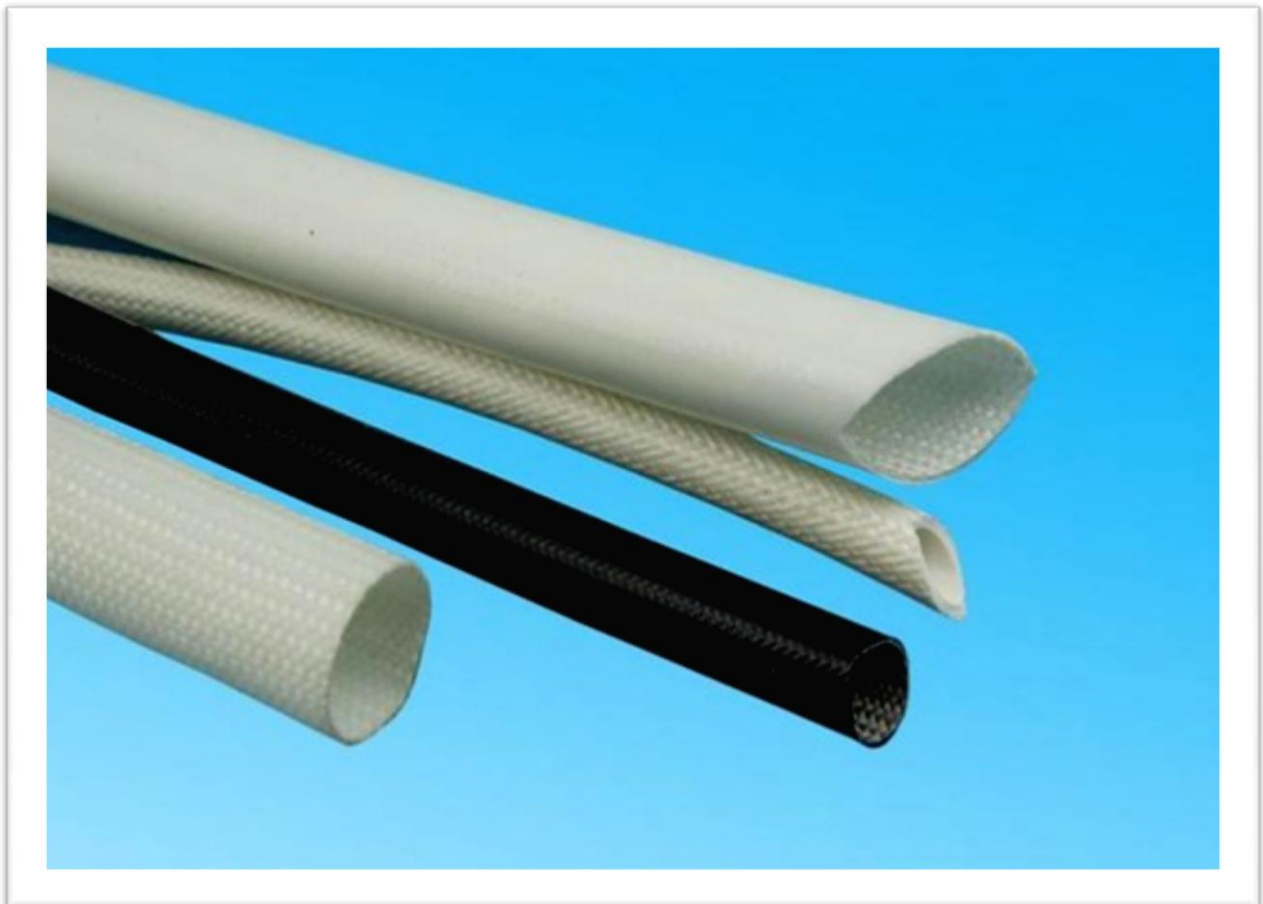
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玻璃纤维套管

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 Refence standard: UL1441	
项目 Item	性能指标 Performance index
连续使用温度 Operating temperature	-40℃~+200℃
耐温性 Temperature tolerance	265℃±2℃*168h≥1/2 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	VW-1
体积电阻率 Volume resistivity	≥10 ¹¹ Ω.cm
环保标准 Environmental standards	RoHS, REACH
UL 认证号 Code	E490480
颜色 Color	常规为白色;黑、蓝、绿、红、黄、橙等可定制。 General color : White. Custom color: Black, Blue, Green, Red, Yellow, Orange, and so on.

型号 Type	耐温等级℃ 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



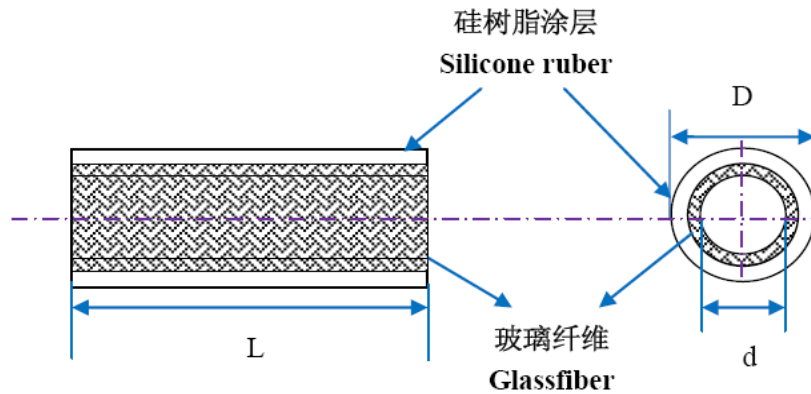
SRG-N (内纤外胶) 玻纤套管产品规格							
SRG-N (Fiber inside rubber outside) Fiberglass sleeving dimension							
内径 (mm) Inner diameter (mm)	公差 (mm) Allowance (mm)	最小壁厚 (mm) Min W.T.					包装标准 (米/卷) Packing standard (m/r)
		SRG-N-12	SRG-N-15	SRG-N-25	SRG-N-40	SRG-N-70	
Φ1.0	+0.3, -0.1	≥0.20	≥0.23	≥0.25	≥0.35	≥0.37	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

SRG-N (内纤外胶) 玻纤套管产品图样

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



标注 (Note):

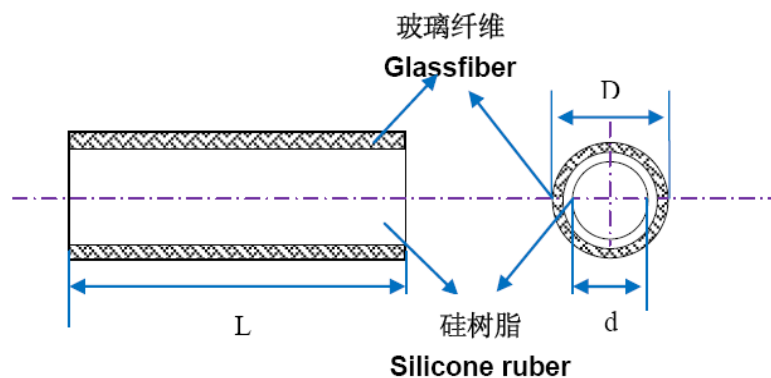
L —— 管材长度, Tube length;

d —— 内径, Inner diameter;

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

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., $W = 0.5*(D-d)$ 。



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