

Product Specification

Number: L-KLS8-FLG-12-N

Name: Heat Shrinkable Tubing

Customer: _____

Date: 2024-09-25

Customer Signature:



NINGBO KLS ELECTRONIC CO; LTD

Tel : 0086-574-86828566

Fax : 0086-574-86824882

ADD : NO. 8-1, RONGXIA RD. XIAPU SHANQIAN
INDUSTRIAL ZONE BEILUN NINGBO ZHEJIANG.

Compi	Check	Review	Approva
Jenny	Jack.C		

玻璃纤维套管

Fiberglass sleeving

玻璃纤维套管主要分为内纤外胶 内胶外纤 两种类型。

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。

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。

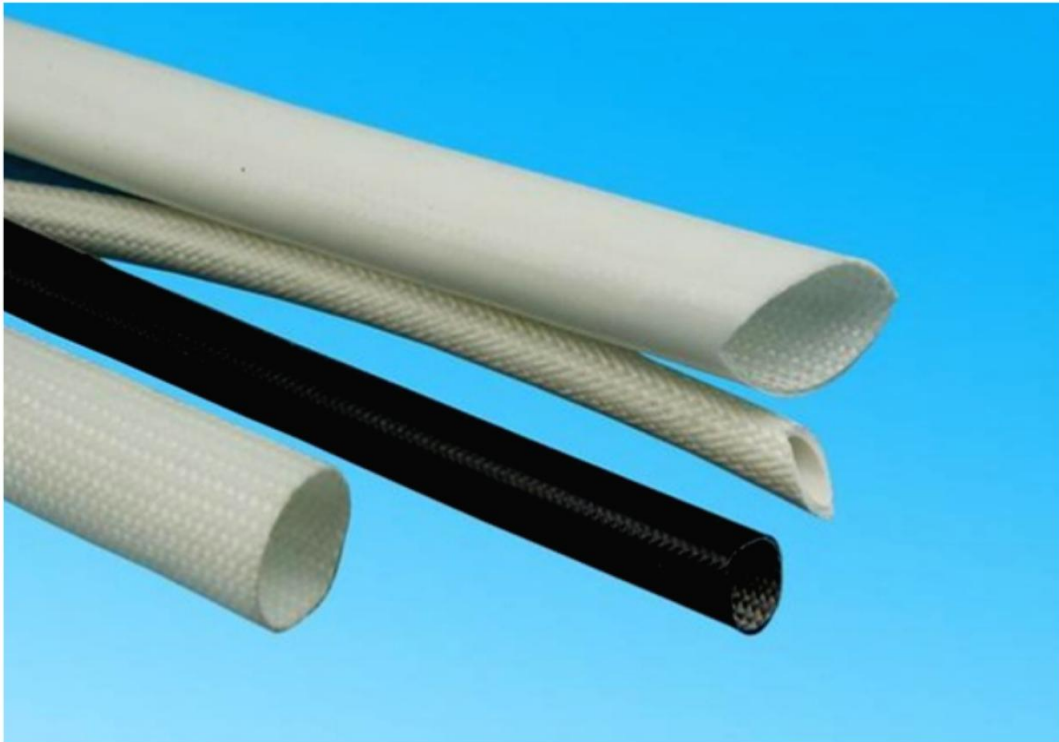
此款产品具有自熄性、耐磨性、抗撕裂性、柔软

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 and inner silicone rubber outer fiberglass

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, is applied in the areas such as internal wiring of electronics, electrical appliances and automotive, motors, household appliances, etc.

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, is also widely used in electronic appliances, lighting, industrial machinery, heating products and other high temperature place.



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性能特性

Performance characteristics	
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 265℃±2℃*168h≥1/2 Original voltage value
热老化 Thermal ageing test	250℃*24 小时, 无裂纹 250℃ *24h, 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
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 (℃)	平均耐电压 (V) Average voltage resistance (V)	最小耐电压 (V) Minimum voltage resistance (V)
L-KLS8-FLG-12-N	-40℃~+200℃	1200	800
L-KLS8-FLG-15-N	-40℃~+200℃	1500	1000
L-KLS8-FLG-25-N	-40℃~+200℃	2500	1800
L-KLS8-FLG-40-N	-40℃~+200℃	4000	3000
L-KLS8-FLG-70-N	-40℃~+200℃	7000	5000
L-KLS8-FLG-70-W	-40℃~+200℃	7000	5000

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(内纤外胶) 玻纤套管产品规格 (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)
		FLG-12-N	FLG-15-N	FLG-25-N	FLG-40-N	FLG-70-N	
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
Φ15.0	+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

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（内胶外纤）玻纤套管产品规格

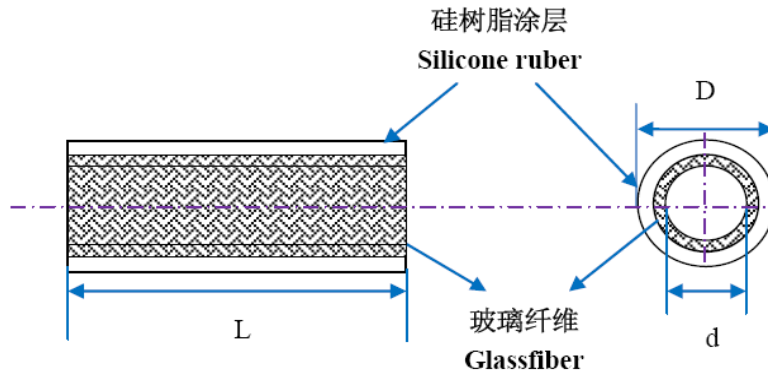
（Rubber inside fiber outside） Fiberglass sleeving dimension

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)
		FLG-70-W	
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
Φ3.5	+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
Φ7.0	+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

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（内纤外胶）玻纤套管产品图样

（ Fiber inside rubber outside ） Fiberglass sleeving drawing



标注 (Note):

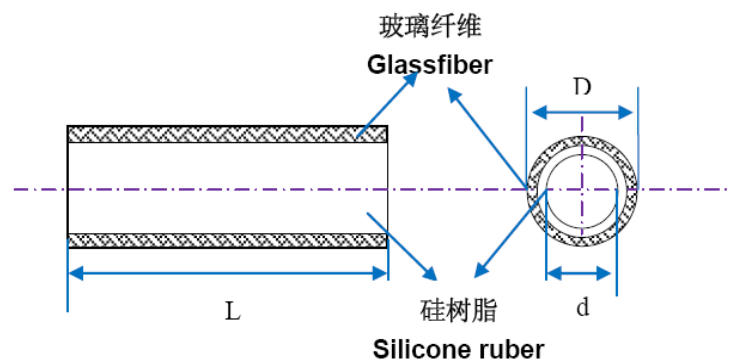
L —— 管材长度, Tube length;

d —— 内径, Inner diameter;

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

（内胶外纤）玻纤套管产品图样

（ 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., $W = 0.5 \cdot (D - d)$ 。