

C-11 125°C 环保阻燃双壁热缩套管(3X)/(4X) Environmental-friendly, Flame retardant, Dual Wall, Adhesive-lined Heat Shrinkable tubing

产品特性:

- 双层结构套管
- 带有粘性内衬, 可粘塑料、橡胶、金属等紧密的粘在一起
- 径向收缩比: 3:1或4:1, 轴向收缩率≤10%
- 收缩温度: 开始收缩温度80°C, 完全收缩温度110°C
- 工作温度: -55°C~125°C
- 产品通过UL 224认证(UL 编号E142415)
- 阻燃
- 良好的密封防水性能
- 绝缘强度高
- 抗化学试剂及溶剂, 耐腐蚀及耐候
- 符合欧盟ROHS指瑕要求

Features:

- Dual wall
- Adhesive-lined bonds to a wide variety of plastics, rubbers, and metals
- Shrink ratio (Radial change): 3:1or4:1 ,shrink ratio in longitudinal≤10%
- Min. shrink temperature: 80°C; Full recovery temperature: 110°C
- Continuous Operating Temperature: -55°C~125°C
- Specifications / Approvals:UL 224 (UL File NO.E142415)
- Flame-retardant
- Excellent water-proofing and sealing performance
- High insulating strength
- Excellent chemical and solvent resistance properties
- Meet ROHS(Restriction of use of certain Hazardous Substances)requirement



用途:

套管内层为热熔胶, 加热至收缩温度时内层会熔融物体的表面上, 形成良好的密封, 广泛用于各种电线电缆的接续, 电器元件的绝缘、密封、防护等。

Applications:

Environmentally seals and protects a wide variety of electrical applications, including back end connector sealing, breakouts, and connector to cable transitions. High expansion ratio makes it possible to repair most damaged cable jackets without removing connectors, ideal for effective moisture-resistant insulation.



FLAME
RETARDANT
阻燃



SHRINK
RATIO 3:1
收缩比 3:1



SHRINK
RATIO 4:1
收缩比 4:1



MOISTURE
BLOCKING
防潮

技术指标 Performance

项目 Items	性能 Property	指标 Requirements	典型值 Typical Performance	测试标准 Test Method	
机械性能 Mechanical	拉伸强度	Tensile Strength	≥10.4MPa	13MPa	UL 224
	断裂伸长率	Ultimate elongation	≥200%	450%	UL 224
	老化后拉伸强度 (158°C/168hrs)	Tensile Strength after Heat Aging (158°C/168hrs)	≥9.1MPa	12MPa	UL 224
	老化后断裂伸长率 (158°C/168hrs)	Ultimate elongation after Heat Aging (158°C/168hrs)	≥300%	400%	UL 224
电性能 Electrical	耐压	Dielectric withstand voltage	AC.2.5kV/60seconds	Pass	UL 224
	介电强度	Dielectric breakdown voltage	>14kV/mm	Pass	UL 224
	体积电阻率	Volume Resistivity	>10 ¹⁴ Ω.cm	>10 ¹⁵ Ω.cm	ASTM D 257
化学性能 Chemical	铜腐蚀(158°C/168hrs)	Copper Corrosion(158°C/168hrs)	No Corrosion	Pass	UL 224
	铜稳定	Stability	Elongation>100%	Pass	UL 224
	燃烧性能	Flammability	Pass	Pass	UL VW-1

技术指标 Performance

项目 Items	性能 Property	指标 Requirements	典型值 Typical Performance	测试标准 Test Method
内衬热熔 胶性能 Adhesive Lined	软化温度 softening temperature		100±10°C	UL 224
	剥离强度 Peel adhesion		≥50N/cm	UL 224

C-11(3X) 规格尺寸 Dimensions

规格 ORDER REF.Size		内径 Inside Diameter				完全收缩后平均壁厚 Recovered Wall Thickness After Heating(NOM)			
		收缩前最小内径 Minimum Expanded as Supplied		收缩后最大内径 Maximum Recovered After Heating		总壁厚 Total Wall After Heating		胶层厚度 Adhesive Wall After Heating (Nominal)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
3	9/64	3	0.118	1.0	0.039	1.00	0.039	0.50	0.020
4	3/16	4	0.157	1.3	0.052	1.20	0.047	0.60	0.024
6	1/4	6	0.236	2.0	0.079	1.40	0.055	0.70	0.028
9	3/8	9	0.354	3.0	0.118	1.60	0.063	0.80	0.031
12	1/2	12	0.472	4.0	0.157	1.80	0.071	0.90	0.035
15	5/8	15	0.591	5.0	0.197	2.00	0.079	1.00	0.039
18	3/4	18	0.709	6.0	0.236	2.00	0.079	1.00	0.039
24	1	24	0.945	8.0	0.315	2.40	0.094	1.20	0.047
30	1 3/16	30	1.181	10.0	0.394	2.40	0.094	1.20	0.047
40	1 9/16	40	1.575	13.3	0.525	2.50	0.098	1.20	0.047
50	2	50	1.969	16.7	0.656	2.60	0.102	1.30	0.051

C-11(4X) 规格尺寸 Dimensions

规格 ORDER REF.Size		内径 Inside Diameter				完全收缩后平均壁厚 Recovered Wall Thickness After Heating(NOM)			
		收缩前最小内径 Minimum Expanded as Supplied		收缩后最大内径 Maximum Recovered After Heating		总壁厚 Total Wall After Heating		胶层厚度 Adhesive Wall After Heating (Nominal)	
mm	inch	mm	inch	mm	inch	mm	inch	mm	inch
4	3/16	4	0.157	1.0	0.039	1.10	0.043	0.55	0.022
6	1/4	6	0.236	1.5	0.059	1.40	0.055	0.70	0.028
8	11/32	8	0.315	2.0	0.079	1.70	0.067	0.85	0.033
12	1/2	12	0.472	3.0	0.118	2.20	0.087	1.10	0.043
16	21/32	16	0.630	4.0	0.158	2.30	0.091	1.15	0.045
20	13/16	20	0.787	5.0	0.197	2.40	0.094	1.20	0.047
24	1	24	0.945	6.0	0.236	2.70	0.106	1.35	0.053
32	1 1/4	32	1.260	8.0	0.315	2.90	0.114	1.45	0.057
40	1 1/2	40	1.575	10.0	0.394	3.00	0.118	1.50	0.059

