

C-11(R) 135°C 环保阻燃孰硬双壁热缩套管

Environmental-friendly, Flame retardant, Semi-rigid, Dual Wall, Adhesive-lined Heat Shrinkable tubing



产品特性:

- 半硬型双层结构套管
- 径向收缩比: >4:1
- 收缩温度: 开始收缩温度110°C, 完全收缩温度135°C
- 工作温度: -40°C~135°C
- 产品通过UL 224认证(UL 编号 E142415)
- 阻燃
- 绝缘、密封、防水、防潮
- 耐磨损, 抗冲击
- 抗化学试剂及溶剂, 耐腐蚀及耐候
- 符合欧盟ROHS指令要求

Features:

- Semi-rigid, Dual wall
- Shrink ratio (Radial change): > 4:1
- Min. shrink temperature: 110°C; Full recovery temperature: 135°C
- Continuous Operating Temperature: -40°C~135°C
- Specifications / Approvals:UL 224(UL File NO.E142415)
- Flame-retardant
- Excellent water-proofing and sealing performance
- High impact and abrasion resistance
- High insulating strength
- Excellent chemical and solvent resistance properties
- Meet ROHS(Restriction of use of certain Hazardous Substances)requirement

用途:

半硬型双壁热缩套管, 具有绝缘、密封、防水、防潮于一体的热缩管材, 集中用于汽车线束、分支连接、电线电缆的密封连接等。

Applications:

Specially designed for environmental sealing and electrical insulation of automotive harness, wire splices, terminations, and components. Ideal for effective moisture-resistant insulation, strain relief and abrasion protection.



FLAME RETARDANT
阻燃



SHRINK RATIO 4:1
收缩比 4:1



ABRASION RESISTANCE
抗磨损



MOISTURE BLOCKING
防潮



OIL RESISTANCE
抗油

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 (175°C/168hrs)	Tensile Strength after Heat Aging (175°C/168hrs)	≥9.1MPa	12MPa	UL 224
	老化后断裂伸长率 (175°C/168hrs)	Ultimate elongation after Heat Aging (175°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	>25kV/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(175°C/168hrs)	Copper Corrosion(175°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

C-2R(2X) 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			
mm	inch	mm	inch	mm	inch	mm	inch
0.8	3/64	0.90	0.035	0.40	0.016	0.30	0.012
1	1/16	1.30	0.051	0.50	0.020	0.30	0.012
1.5	3/32	1.80	0.071	0.75	0.030	0.40	0.016
2	7/64	2.30	0.090	1.00	0.039	0.40	0.016
2.5	1/8	2.80	0.110	1.25	0.049	0.40	0.016
3	9/64	3.30	0.130	1.50	0.059	0.45	0.018
3.5	5/32	3.80	0.149	1.75	0.069	0.45	0.018
4	3/16	4.30	0.169	2.00	0.079	0.50	0.020
4.5	13/64	5.00	0.197	2.25	0.089	0.50	0.020
5	7/32	5.30	0.208	2.50	0.098	0.50	0.020
6	1/4	6.30	0.248	3.00	0.118	0.55	0.022
7	19/64	7.20	0.283	3.50	0.138	0.55	0.022
8	11/32	8.10	0.319	4.00	0.157	0.60	0.024
9	3/8	9.10	0.358	4.50	0.177	0.60	0.024
10	13/32	10.10	0.397	5.00	0.197	0.60	0.024
11	29/64	11.10	0.437	5.50	0.217	0.60	0.024
12	1/2	12.10	0.476	6.00	0.236	0.60	0.024
13	17/32	13.10	0.515	6.50	0.256	0.60	0.024
14	37/64	14.20	0.559	7.00	0.276	0.60	0.024
15	39/64	15.20	0.598	7.50	0.295	0.65	0.026
16	21/32	16.30	0.641	8.00	0.315	0.65	0.026
18	3/4	18.30	0.720	9.00	0.354	0.75	0.030
20	53/64	20.70	0.815	10.00	0.394	0.80	0.031
22	29/32	22.70	0.893	11.00	0.433	0.80	0.031
25	1	26.00	1.023	12.00	0.472	0.90	0.035
28	17/64	29.00	1.141	14.00	0.551	0.90	0.035
30	11/4	31.00	1.220	15.00	0.591	0.90	0.035

C-2R(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			
mm	Inch	mm	inch	mm	inch	mm	inch
1.5	3/32	1.70	0.067	0.50	0.020	0.5±0.05	0.020±0.002
3	9/64	3.20	0.126	1.00	0.039	0.6±0.05	0.024±0.002
6	1/4	6.20	0.244	2.00	0.079	0.7±0.05	0.028±0.002
9	3/8	9.20	0.362	3.00	0.118	0.8±0.05	0.031±0.002
12	1/2	12.20	0.480	4.00	0.158	0.9±0.05	0.035±0.002
18	3/4	18.20	0.716	6.00	0.236	1.0±0.05	0.039±0.002
22	7/8	21.60	0.850	7.50	0.295	1.1±0.05	0.043±0.002
24	1	24.40	0.950	8.00	0.315	1.2±0.05	0.047±0.002
39	1 1/2	39.20	1.543	8.00	0.315	1.2±0.05	0.047±0.002

