

## C-11(S) 自密封型热缩套管 Self-Sealing Heat Shrinkable Tubing



### 产品特性:

- 管壁厚，绝缘强度高
- 径向收缩比：3:1，纵向收缩率≤10%
- 收缩温度：开始收缩温度90℃，完全收缩温度121℃
- 工作温度：-55℃~110℃
- 阻燃
- 耐冲击，耐磨损；
- 耐化学试剂，耐腐蚀及耐候；
- 可选择套管内壁是否涂胶，以增强其防水、防潮、防流体等密封性能；

### Features:

- Heavy wall tubing, high insulating strength
- Shrink ratio (Radial change): 3:1, shrink ratio in longitudinal≤10%
- Min. shrink temperature: 90°C; Full recovery temperature: 121°C
- Continuous Operating Temperature: -55°C~110°C
- Flame-retardant
- Mechanically tough, High impact and abrasion resistance
- Excellent chemical and solvent resistance properties
- Optional Thermoplastic Adhesive Liner for complete environmental protection and insulation



FLAME  
RETARDANT  
阻燃



SHRINK  
RATIO 3:1  
收缩比 3:1



ABRASION  
RESISTANCE  
抗磨损



MOISTURE  
BLOCKING  
防潮

### 用途:

套管管壁厚，可为电线电缆的中间连接、终端提供非常可靠的绝缘保护，适用于各种恶劣环境中；带有热熔胶的套管，不仅能提供密封保护，还能达到机械应力消除的效果。

### Applications:

Provides a simple, positive splice-sealing method that offers protection under adverse environmental conditions. Tubing supplied with standard sealant provides water sealing and environmental protection. The thermoplastic adhesive not only seals, but also provides mechanical strain relief. The polymer tubing has excellent insulating, abrasion-resistance, and strain-relief properties.

### 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	14MPa	UL 224
	断裂伸长率	Ultimate elongation	≥200%	450%	UL 224
	老化后拉伸强度 (150℃/168hrs)	Tensile Strength after Heat Aging (150℃/168hrs)	≥9.1MPa	13MPa	UL 224
	老化后断裂伸长率 (150℃/168hrs)	Ultimate elongation after Heat Aging (150℃/168hrs)	≥300%	400%	UL 224
	硬度 (Shore D)	Hardness (Shore D)		55-65	ASTM D2240
电性能 Electrical	耐压	Dielectric withstand voltage	AC.2.5KV/60seconds	Pass	UL 224
	介电强度	Dielectric breakdown voltage	AC.2.5KV/60seconds	25kV	UL 224
	体积电阻率	Volume Resistivity	>10 <sup>14</sup> Ω.cm	>10 <sup>14</sup> Ω.cm	ASTM D 257
化学性能 Chemical	铜腐蚀	Copper Corrosion	No Corrosion	Pass	UL 224
	铜稳定	Stability	Elongation>100%	Pass	UL 224
	燃烧性能C-11S(FR)	Flammability	Pass	Pass	UL 224

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)		标准长度 Standard Length	
		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	mm	inch
10	13/32	10.0	0.39	3.0	0.12	1.0	0.039	1220	48.03
16	21/32	16.0	0.63	5.0	0.20	1.5	0.059	1220	48.03
25	1	25.0	0.98	8.0	0.31	2.0	0.079	1220	48.03
35	1 3/8	35.0	1.38	12.0	0.47	2.2	0.087	1220	48.03
50	2	50.0	1.97	16.0	0.63	2.2	0.087	1220	48.03
63	2 1/2	63.0	2.48	19.0	0.75	2.5	0.098	1220	48.03
75	3	75.0	2.95	22.0	0.87	2.7	0.106	1220	48.03
85	3 3/8	85.0	3.35	25.0	0.98	2.8	0.110	1220	48.03
95	3 3/4	95.0	3.74	29.0	1.14	3.1	0.122	1220	48.03
115	4 1/2	115.0	4.53	34.0	1.34	3.1	0.122	1220	48.03
140	5 1/2	140.0	5.51	42.0	1.65	3.1	0.122	1220	48.03
160	6 1/4	160.0	6.30	50.0	1.97	3.2	0.126	1220	48.03
180	7	180.0	7.09	60.0	2.36	3.2	0.126	1220	48.03