

C-2(L) 105°C 环保阻燃低温热缩套管 Environmental-friendly, Flame retardant, Low shrink temperature, Heat shrinkable polyolefin tubing



产品特性:

- 阻燃
- 柔韌
- 收缩温度: 开始收缩温度70°C, 完全收缩温度90°C
- 工作温度: -30°C~105°C
- 径向收缩比: 2:1, 轴向收缩率≤5%
- 良好的绝缘性、耐腐蚀性及耐候性
- 符合欧盟ROHS指令要求

Features:

- Flame Retardant
- Flexible
- Rapid recovery at low temperatures, Min. shrink temperature: 70°C; Full recovery temperature: 90°C
- Continuous Operating Temperature: -30°C~105°C
- 2:1 Shrink ratio shrink ratio in longitudinal≤5%
- Excellent physical, insulating, and weather resistance performance.
- Meet ROHS(Restriction of use of certain Hazardous Substances)requirement



FLAME
RETARDANT
阻燃



SHRINK
RATIO 2:1
收缩比 2:1

用途:

适用于电线电缆、电子线束以及各种接线端子、连接部件、焊点处的绝缘防护和补强等。

Applications:

Provides both insulation and protection of components and wires. Typical applications include wire and cable insulation enhancement, electrical termination and cable lug insulation, covering of heat-sensitive devices, and mechanical protection.

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 (136°C/168hrs) | Tensile Strength after Heat Aging (136°C/168hrs) | ≥7.3MPa | 11MPa | UL 224 |
| | 老化后断裂伸长率 (136°C/168hrs) | Ultimate elongation after Heat Aging (136°C/168hrs) | ≥100% | 360% | 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(136°C/168hrs) | Copper corrosion(136°C/168hrs) | No Corrosion | Pass | UL 224 |
| | 铜稳定 | Stability | Elongation>100% | >200% | UL 224 |
| | 燃烧性能 | Flammability | Pass | Pass | UL VW-1 |

规格尺寸 Dimensions

| 规格 ORDER REF.Size | | 收缩前尺寸 Expanded as Supplied | | | | 收缩后尺寸 Recovered After Heating | | | |
|-------------------------|--------|--------------------------------|-------|-----------------------------|-------|----------------------------------|-------|-----------------------------|-------|
| | | 内径(最小) Inside Diameter(Min) | | 平均壁厚 Wall Thickness(NOM) | | 内径(最大) Inside Diameter(Max) | | 平均壁厚 Wall Thickness(NOM) | |
| mm | inch | mm | inch | mm | inch | mm | inch | mm | inch |
| 0.8 | 3/64 | 0.90 | 0.035 | 0.18 | 0.007 | 0.40 | 0.016 | 0.30 | 0.012 |
| 1.0 | 1/16 | 1.30 | 0.051 | 0.18 | 0.007 | 0.50 | 0.020 | 0.30 | 0.012 |
| 1.5 | 3/32 | 1.80 | 0.071 | 0.20 | 0.008 | 0.75 | 0.030 | 0.40 | 0.016 |
| 2.0 | 7/64 | 2.30 | 0.090 | 0.22 | 0.009 | 1.00 | 0.039 | 0.40 | 0.016 |
| 2.5 | 1/8 | 2.80 | 0.110 | 0.25 | 0.010 | 1.25 | 0.049 | 0.40 | 0.016 |
| 3.0 | 9/64 | 3.30 | 0.130 | 0.25 | 0.010 | 1.50 | 0.059 | 0.45 | 0.018 |
| 3.5 | 5/32 | 3.80 | 0.149 | 0.25 | 0.010 | 1.75 | 0.069 | 0.45 | 0.018 |
| 4.0 | 3/16 | 4.30 | 0.169 | 0.25 | 0.010 | 2.00 | 0.079 | 0.50 | 0.020 |
| 4.5 | 13/64 | 5.00 | 0.197 | 0.25 | 0.010 | 2.50 | 0.098 | 0.50 | 0.020 |
| 5.0 | 7/32 | 5.30 | 0.208 | 0.25 | 0.010 | 2.50 | 0.098 | 0.50 | 0.020 |
| 6.0 | 1/4 | 6.30 | 0.248 | 0.25 | 0.010 | 3.00 | 0.118 | 0.55 | 0.022 |
| 7.0 | 19/64 | 7.20 | 0.283 | 0.25 | 0.010 | 3.50 | 0.138 | 0.55 | 0.022 |
| 8.0 | 11/32 | 8.10 | 0.319 | 0.30 | 0.012 | 4.00 | 0.157 | 0.60 | 0.024 |
| 9.0 | 3/8 | 9.10 | 0.358 | 0.30 | 0.012 | 4.50 | 0.177 | 0.60 | 0.024 |
| 10.0 | 13/32 | 10.10 | 0.397 | 0.30 | 0.012 | 5.00 | 0.197 | 0.60 | 0.024 |
| 11.0 | 29/64 | 11.10 | 0.437 | 0.30 | 0.012 | 5.50 | 0.217 | 0.60 | 0.024 |
| 12.0 | 1/2 | 12.10 | 0.476 | 0.30 | 0.012 | 6.00 | 0.236 | 0.60 | 0.024 |
| 13.0 | 17/32 | 13.10 | 0.515 | 0.30 | 0.012 | 6.50 | 0.256 | 0.60 | 0.024 |
| 14.0 | 37/64 | 14.20 | 0.559 | 0.30 | 0.012 | 7.00 | 0.276 | 0.60 | 0.024 |
| 15.0 | 39/64 | 15.20 | 0.598 | 0.35 | 0.014 | 7.50 | 0.295 | 0.65 | 0.026 |
| 16.0 | 21/32 | 16.30 | 0.641 | 0.35 | 0.014 | 8.00 | 0.315 | 0.65 | 0.026 |
| 18.0 | 3/4 | 18.30 | 0.720 | 0.40 | 0.016 | 9.00 | 0.354 | 0.75 | 0.030 |
| 20.0 | 53/64 | 20.70 | 0.815 | 0.40 | 0.016 | 10.00 | 0.394 | 0.80 | 0.031 |
| 22.0 | 29/32 | 22.70 | 0.893 | 0.40 | 0.016 | 11.00 | 0.433 | 0.80 | 0.031 |
| 25.0 | 1 | 26.00 | 1.020 | 0.45 | 0.018 | 12.00 | 0.472 | 0.90 | 0.035 |
| 28.0 | 1 7/64 | 29.00 | 1.141 | 0.42 | 0.017 | 14.00 | 0.551 | 0.90 | 0.035 |
| 30.0 | 1 1/4 | 31.00 | 1.220 | 0.42 | 0.017 | 15.00 | 0.591 | 0.90 | 0.035 |