Heat-Shrinkable Crimp Butt Splices
热缩中接压接端子

压接更牢固，热缩更密封
Stronger Crimp. Sealed Connection

该系列端子采用高导电紫铜管与3:1高收缩比聚烯烃热缩管的一体化设计，内壁预涂热熔胶。施工时，先压接紫铜管固定线缆，再加热收缩。热熔胶融化流动填充所有缝隙，冷却后形成致密的密封层，彻底阻隔湿气、盐雾及腐蚀性物质。半透明护套让压接位置清晰可见。相比传统连接方式，它能提供更持久的抗震防脱保护，且安装更高效、成本更低。

Features a high-conductivity copper barrel integrated with a 3:1 adhesive-lined polyolefin heat-shrink sleeve. After crimping and heating, the sleeve contracts to encapsulate the joint, while the hot-melt adhesive flows to fill voids, locking out moisture, salt, and corrosive agents. The translucent tubing allows for immediate visual inspection of the crimp. This solution delivers a durable, vibration-resistant bond that is faster to install and more reliable than conventional mechanical connectors.

特性与优势 Features and benefits

- 360°防水密封：热熔胶填充缝隙，有效阻挡水汽、冷凝水及化学腐蚀。
- 3:1 高收缩比：更强的收缩能力，完美适配线径差异较大的导线对接。
- 抗震防拉断：胶层固化后与线皮紧密粘合，提供强大的机械固持力与减震功能。
- 半透明可视：支持直接目视检查导线插入深度及压接质量。
- 耐宽温聚烯烃：优质聚烯烃材质，在-55°C 至 125°C 范围内保持柔韧不开裂。

- 360° Environmental Seal: Adhesive lining creates an impervious barrier against water, condensation, and corrosion.
- 3:1 Shrink Ratio: High shrink rate accommodates a wider range of wire gauges and insulation diameters.
- Vibration & Pull-Out Resistance: Cured adhesive bonds to the wire insulation, providing robust mechanical reinforcement.
- Visual Inspection: Translucent sleeve enables instant verification of wire placement and crimp integrity.
- Durable Polyolefin: Rugged jacket material operates reliably from -55°C to 125°C.

颜色 COLOR

备注：

- 请根据线规（线径）匹配相应色标的热缩中接端子。如需完整的材料规格书，请联系我们获取数据表。
- 可按需定制尺寸与颜色。规格如有变更恕不另行通知，最低起订量（MOQ）可能与标准包装数量不同。

Notes:

- Match each wire gauge to the corresponding color-coded butt splices. For complete material specifications, please contact us to request the data sheet.
- Custom sizes and colors are available on request. Specifications may change without notice, and minimum order quantities (MOQ) can differ from standard pack counts.

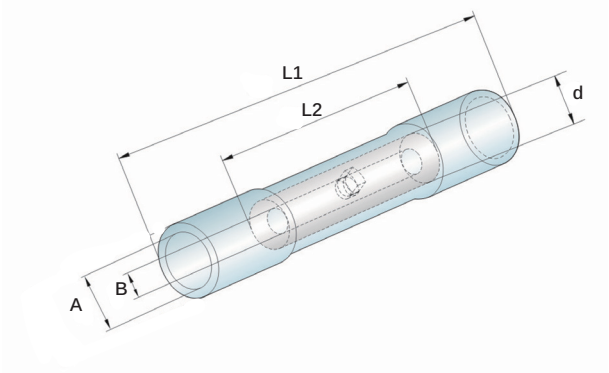

表 A. 产品规格 Table A. Product Dimensions								
编号 Part No.	适用线规 Wire Range		尺寸 Dimension (mm)			热缩管 Heat shrink tube		颜色 Color
	A.W.G	mm²	d	B	L_2	A±0.3	L_1±2	
HSC-0.5	26-22	0.2-0.5	2.1	1.3	10	3.2	26	黄色/透明 Yellow/Clear
HSC-1	22-16	0.5-1.0	3.3	1.7	15	4.9	36	红色 Red
HSC-2	16-14	1.5-2.5	4.0	2.4	15	5.9	36	蓝色 Blue
HSC-3	12-10	4.0-6.0	5.5	3.5	15	6.9	42	黄色 Yellow
HSC-3.5	14-12	2.5-4	5.5	4.1	20	6.5	38	黑色 Black
HSC-8	8	10	7.0	4.8	21	8.0	42	黄色 Yellow

性能参数表 Technical indicators			
测试项目 Test Item		特性指标 Characteristics	测试条件 Test condition
老化前 Unaged	抗张强度 Tensile strength	Min. 18MPa	室温 Room temp.
	断裂伸长率 Elongation	Min. 200%	
老化后 Aged	抗张强度 Tensile strength	Min. 11.5MPa	150°C / 7d
	断裂伸长率 Elongation	Min.100%	
耐压与击穿电压（老化前） Voltage withstand and breakdown Voltage (Unaged)		耐压 2.5 kV 持续 1 分钟，并测定击穿电压 Withstand 2.5KV for 1minute and breakdown	室温 Room temp.
耐压与击穿电压（老化后） Voltage withstand and breakdown Voltage (Aged)		耐压 2.5 kV 持续 1 分钟，且击穿电压不低于老化前数值的 50% Withstand 2.5KV for 1minute and breakdown at least half of unaged breakdown voltage	150℃/7d
铜腐蚀性 Copper corrosion		裸铜表面无腐蚀 No corrosion of bare copper	150°C / 7d
铜稳定性 Copper stability		无降解迹象，断裂伸长率最小 100% No sign of degradation Min.Elongation 100%	150°C / 7d
冷弯 Cold bend		无裂纹 No crack	-40°C / 4hrs
最大正割模量 (2%) Maximum secant modulus (2%)		250 MPa	—
体积电阻率 Volume resistivity		Min. 10^{14} Ω · cm	—
热冲击 Heat shock		无裂纹 No crack	200°C / 4hrs