

Transparent Heat-Shrinkable Crimp Splices 热缩高透明压接端子

透明, 强韧回弹, 防水抗震
Clear. Highly Flexible. Superior Seal

HSC-H 专为对可视化质检有极高要求的应用设计。其外层采用高透明度、高弹性的乙烯 - 甲基丙烯酸酯共聚物, 内层复合特种热熔胶。该产品对PVC/PE线皮及金属端子具有极强的粘接附着力。热缩后, 胶层能完全填充缝隙, 提供卓越的防水防腐保护; 而管材优异的柔韧性与抗刺破能力, 使其在恶劣的机械震动环境中仍能牢固锁紧线缆。相比传统连接器, 它更耐用、更易于检查, 且安装成本更低。

HSC-H is engineered for applications requiring maximum clarity and flexibility. It features a E/MAA ionomer sleeve with superior transparency and elasticity, lined with a high-bond hot-melt adhesive. The adhesive forms a strong bond with PVC/PE wire insulation and metals, creating a waterproof, corrosion-resistant seal. Its exceptional elasticity and puncture resistance ensure reliable strain relief even in harsh vibration environments. More durable and easier to inspect than conventional connectors, HSC-H lowers total installation costs.

颜色 COLOR

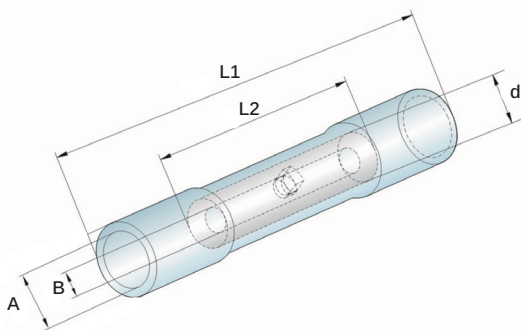


备注:

- 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.



特性与优势 Features and benefits

- 3:1 高收缩比: 适配线径范围广, 包裹紧致。
- 极致高透明: 业界领先的透明度, 压接位置与线芯状态一目了然, 质检无死角。
- 高弹抗损: 材料延伸率极高, 压接时不易破裂, 长期使用回弹性好, 不变形。
- 强力粘接防水: 特种热熔胶对各种线皮 (PVC/PE) 及金属均有超强附着力, 密封滴水不漏。
- 耐低温设计: 在 -40°C 至 105°C 温度范围内保持性能稳定, 低温不脆裂。

- 3:1 Shrink Ratio: Accommodates a wide range of wire sizes with a tight seal.
- Crystal Clear Visibility: Industry-leading transparency allows for precise visual inspection of the crimp and wire insertion.
- High Elasticity & Toughness: Superior elongation prevents splitting during crimping and resists mechanical damage over time.
- Strong Adhesive Bond: Advanced hot-melt adhesive bonds aggressively to PVC, PE, and metals for a waterproof seal.
- Wide Temp Range: Operates reliably from -40°C to 105°C , ensuring flexibility even in cold environments.

表 A. 产品规格 Table A. Product Dimensions								
编号 Part No.	适用线规 Wire Range		压接管尺寸 Copper Pipe Dimension (mm)			热缩管 Heat shrink tube		颜色 Color
	A.W.G	mm²	OD	B	L ₂	A	L ₁	
HSC-H-0.5	26-22	0.2-0.5	2.1	1.3	12	3.2±0.3mm	28±2mm	透明 Clear
HSC-H-1	22-16	0.5-1.0	3.3	1.7	15	4.8±0.3mm	36±2mm	红色 Red
HSC-H-2	16-14	1.5-2.5	4	2.4	15	5.8±0.5mm	36±2mm	蓝色 Blue
HSC-H-3	12-10	4.0-6.0	5.5	3.5	15	7.3±0.5mm	42±2mm	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 Withstand 2.5KV for 1minute		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°C/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
热冲击 Heat shock	无裂纹 No crack		200°C / 4hrs