

General Solder Sleeve Wire Splices 通用焊锡接线端子

快速 · 可靠 · 密封: 三合一电线对接方案
Fast · Reliable · Sealed 3-in-1 Wire Splicing

该系列焊锡接线端子采用“三合一”一体化设计, 将预涂助焊剂的锡环、热缩绝缘管及防水密封胶圈完美融合。施工时无需烙铁, 仅需热风枪加热, 即可同步完成锡焊连接、绝缘防护与防水密封。其高透明度套管让焊接效果一目了然, 便于质检。这种标准化的施工方式不仅大幅缩短了工时, 更消除了人工焊接的质量差异, 确保在汽车制造、轨道交通及高端精密工业线束应用中, 每一次连接都稳定可靠。

Our Solder Sleeve Wire Splices feature an all-in-one design that integrates a pre-fluxed solder preform, heat-shrink insulation, and environmental sealing rings into a single, easy-to-install unit. This design eliminates the need for soldering irons, allowing for simultaneous soldering, insulating, and sealing with just a heat gun. The transparent sleeve permits immediate visual verification of the solder joint quality. By streamlining the workflow, this solution significantly reduces installation time and guarantees process consistency across automotive, rail transit, and high-precision industrial wiring harnesses.

系列概览

- **SST-SXR系列:** 聚烯烃材质外层套管, 耐温125°C(257°F), 锡环满足环保要求, 标准密封。采用 118°C 熔点的低温锡环 —— 专为热敏感电子元器件设计。
- **SST-R系列:** 聚烯烃材质外层套管, 耐温125°C(257°F), 锡环满足环保要求, 标准密封。锡环熔点 138°C。
- **SST-S系列:** 聚烯烃材质外层套管, 耐温125°C(257°F), 标准密封。锡环熔点 138°C。
- **SST-W系列:** 聚烯烃材质外层套管, 带屏蔽线, 耐温125°C(257°F), 标准密封。锡环熔点 138°C。

Series Overview

- SST-SXR Series: Polyolefin outer sleeve, 125°C (257°F), the solder rings meet environmental protection requirements, standard sealing, low-temperature solder ring melts at 118°C—ideal for heat-sensitive electronics
- SST-R Series: Polyolefin outer sleeve, 125°C (257°F), the solder rings meet environmental protection requirements, standard sealing, solder ring melts at 138°C
- SST-S Series: Polyolefin outer sleeve, 125°C (257°F), standard sealing, 138°C solder melt
- SST-W Series: Polyolefin outer sleeve, with integrated shield wire, 125°C (257°F), standard sealing, 138°C solder melt

备注:

- 可按需提供定制尺寸和颜色。技术规格如有变更, 恕不另行通知。最小起订量 (MOQ) 可能与标准包装数量不同。
- 如果您的应用需要同时具备“压接”和“锡环”双重功能, 请选择我们的“CS”系列。
- 如需完整的材料规格书, 请联系我们索取 Datasheet。
- 当接头两端需要连接不同线径的导线 (异径对接) 时, 请选择“CA”系列。

Notes:

- Custom sizes and colors are available upon request. Technical specifications are subject to change without prior notice. Minimum order quantities (MOQ) may differ from standard packaging quantities.
- If your application calls for a product that combines both crimping and a solder-ring, choose our “CS” Series.
- For complete material specifications, please contact us to request the data sheet.
- When different wire gauges are required on the two ends of the splice, opt for the “CA” Series.

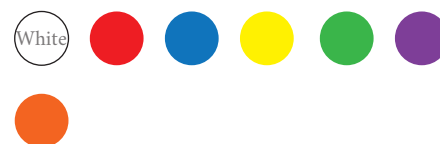


特性与优势 Features and benefits

- **四大系列:** 量身定制, 满足不同的耐温等级与密封要求。
- **透明套管:** 定位无忧, 便于进行目视质量管控。
- **多温度选项:** 提供低温 (118°C) 及标准 (138°C) 锡环选项, 适配敏感电路或高负载电路。
- **热缩封装:** 加热后同步完成绝缘包裹与机械抗拉加固, 并有效阻隔腐蚀性介质侵入。
- **行业权威验证:** 历经汽车制造、轨道交通及高端重工设备的长期实战检验, 性能稳定可靠。

- Four series tailored to distinct temperature and sealing demands
- Clear sleeve for hassle-free placement and visual quality control
- Low- and standard-temperature solder options (118 °C / 138 °C) for sensitive or high-duty circuits
- Encapsulated Protection: Heat-shrink sealing provides robust insulation, mechanical reinforcement, and superior corrosion resistance in one step.
- Field-Proven Reliability: Trusted performance across automotive, rail transit, and high-precision industrial equipment worldwide.

颜色 COLOR



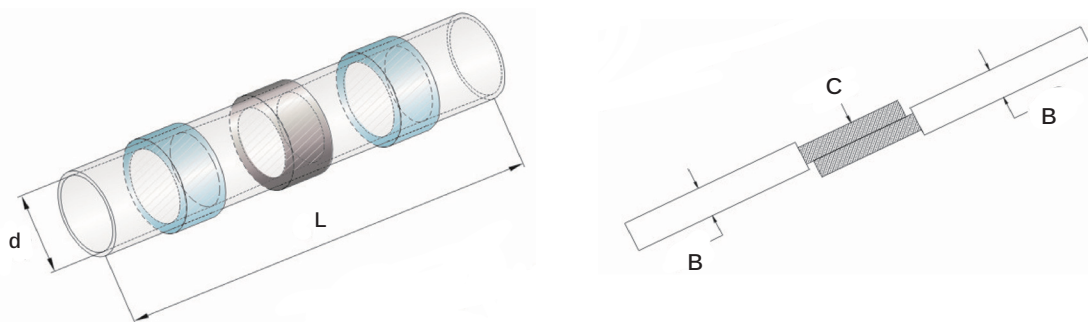


表 A. SST-SXR 系列
Table A. SST-SXR Series

产品编号 Part No.	产品规格 Product Dimensions (mm)		电线规格 Wire Dimensions (mm)			适用线规 Wire Range		颜色 Color
	d (min.)	L±2	B (min.)	B&C (max.)	C (min.)	A.W.G	mm ²	
SST-S11R	1.6	26	1.0	1.7	0.76	26-24	0.25-0.34	白 White
SST-S21R	2.6	40	1.4	2.7	1.2	22-18	0.5-1.0	红 Red
SST-S31R	4.6	40	2.3	4.7	2.0	16-14	1.5-2.5	蓝 Blue
SST-S41R	5.9	40	3.7	6.0	3.4	12-10	4.0-6.0	黄 Yellow

表 B. SST-R 系列
Table B. SST-R Series

产品编号 Part No.	产品规格 Product Dimensions (mm)		电线规格 Wire Dimensions (mm)			适用线规 Wire Range		颜色 Color
	d (min.)	L±2	B (min.)	B&C (max.)	C (min.)	A.W.G	mm ²	
SST-R11	1.6	26	1.0	1.7	0.76	26-24	0.25-0.34	白 White
SST- R21	2.6	40	1.4	2.7	1.2	22-18	0.5-1.0	红 Red
SST- R31	4.6	40	2.3	4.7	2.0	16-14	1.5-2.5	蓝 Blue
SST- R41	5.9	40	3.7	6.0	3.4	12-10	4.0-6.0	黄 Yellow

表 C. SST-S 系列
Table C. SST-S Series

产品编号 Part No.	产品规格 Product Dimensions (mm)		电线规格 Wire Dimensions (mm)			适用线规 Wire Range		颜色 Color
	d (min.)	L±2	B (min.)	B&C (max.)	C (min.)	A.W.G	mm ²	
SST-S11	1.6	26	1.0	1.7	0.76	26-24	0.25-0.34	白 White
SST- S21	2.6	40	1.4	2.7	1.2	22-18	0.5-1.0	红 Red
SST- S31	4.6	40	2.3	4.7	2.0	16-14	1.5-2.5	蓝 Blue
SST- S41	5.9	40	3.7	6.0	3.4	12-10	4.0-6.0	黄 Yellow

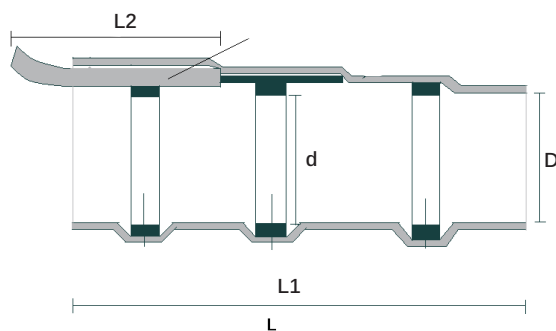


表 D. SST-W 系列
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产品编号 Part No.	外层热缩套管 Heat Shrink Tube (mm)		锡环 Solder Sleeve (mm)		屏蔽线 Preinstall Lead (mm)	
	D min.	L ₁ ±2	d	H	OD	L ₂
SST-W-21	3.4	40	2.8	3.2	1.0	180
SST- W-31-2	6.9	31	7.3	4.2	1.0	180
SST- W-31-3	10.8	34	11.5	4.2	1.0	180
SST- W-31-4	4.5	21	4.8	3.0	1.0	180
SST- W-31-5	4.5	30	4.8	4.2	1.0	180
SST- W-31-7	6.9	20	7.3	3.0	1.0	180
SST- W-31-8	17.2	56	17.8	6.0	1.0	180
SST- W-31-9	13.1	46	14.0	4.5	1.0	180
SST- W-31-10	8.5	36	9.0	4.5	1.0	180

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	室温 Room temp.
	断裂伸长率 Elongation	
老化后 Aged	抗张强度 Tensile strength	150°C / 7d
	断裂伸长率 Elongation	
耐压与击穿电压 (老化前) Voltage withstand and breakdown Voltage (Unaged)	耐压 1 kV 持续 1 分钟, 并测定击穿电压 Withstand 1kV 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 1 kV 持续 1 分钟, 且击穿电压不低于老化前数值的 50% Withstand 1kV for 1minute and breakdown at least half of unaged breakdown voltage	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