

Solder & Crimp Heat-Shrinkable Butt Connectors 压接焊锡中接端子

压接坚固, 焊锡导通
Crimp Strength. Solder Conductivity.

STBT系列创新性地将压接技术的机械强度与焊锡技术的低电阻特性完美融合。其内核由镀锡紫铜管芯与低温无铅焊锡环组成, 外覆内含聚酰胺热熔胶的双壁热缩管。安装时, 先压接锁紧线缆, 再加热熔化焊锡与密封胶。这种“双重保险”结构不仅提供了不可撼动的抗拉力, 更通过焊锡填充间隙, 实现了极低的接触电阻与IP67级防水防腐, 是严苛环境下高可靠性布线的终极方案。

The STBT Series combines the mechanical integrity of crimping with the electrical superiority of soldering in a single splice. Each unit features a tinned copper barrel, a low-temperature solder ring, and an adhesive-lined heat shrink sleeve. This "Crimp & Heat" process creates a dual-redundant bond: the crimp anchors the wire against pull-out, while the solder creates a low-resistance current path. Fully sealed against water and corrosion, it is the definitive choice for mission-critical wiring in automotive, marine, and heavy industrial applications.

系列概览

STBT系列覆盖全系主流线径, 选型时请严格匹配导体截面积, 以确保压接管的填充率与焊锡的渗透效果达到最佳。全系产品结构一致, 仅在管径尺寸上有所区分。

Series Overview

Available in a comprehensive range of sizes to match various wire gauges. Selection should be based on conductor cross-section to ensure optimal crimp compression and solder flow. All sizes share the same high-performance construction.

备注:

- 详细尺寸、线径对照及料号请查阅附表。
- 支持特殊尺寸及色标定制。
- 规格参数若有更新恕不另行通知; MOQ请以最终报价为准。

Notes:

- See tables for detailed dimensions, wire compatibility, and part numbers.
- Custom sizes and color coding available upon request.
- Specifications subject to change; MOQ may vary from standard packs.



特性与优势 Features and benefits

- 双重连接: 压接抗拉 + 焊锡导电, 提供双倍可靠性保障。
- PA强效密封: 特种聚酰胺热熔胶内衬, 防水、耐油、耐腐蚀。
- 卓越导电: 焊锡填充线芯缝隙, 显著降低电阻, 提升传输效率。
- 环保合规: 锡环满足环保要求。
- Dual Bond: Combines crimp strength with solder conductivity for ultimate reliability.
- PA Sealing: Polyamide adhesive lining blocks moisture and chemicals.
- High Conductivity: Solder fills voids for low resistance and efficient transmission.
- Compliant: The solder rings meet environmental protection requirements.

颜色 COLOR



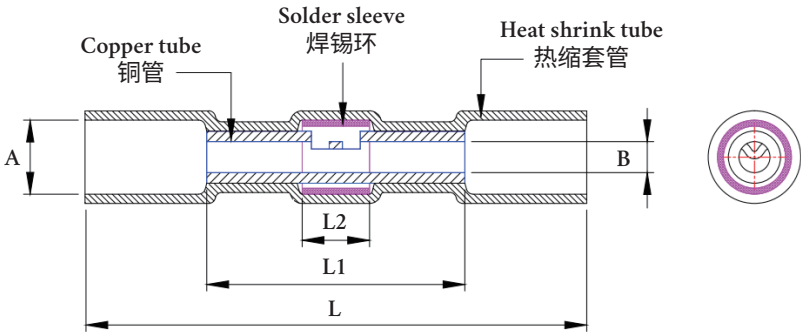


表 A. 技术指标 Table A. Technical Indicators	
工作温度范围 Working temperature range	-55°C ~ 105°C
收缩比 Shrinkage ratio	2:1
耐电压 Withstanding voltage	2.5 kV/AC (1 分钟)
防护等级 Protection level	IP67 (防尘防水)
阻燃性 Flame-retardant	非阻燃 (Non-flame-retardant)

表 B. 产品尺寸表 Table B. Product Dimensions										
产品型号 Part No.	适用线规 Wire Range		金属管尺寸 Dimension mm			热缩管尺寸 Heat Shrink Tube			锡环宽度 Solder Width	颜色 Color
	A.W.G	mm²	OD	B	L	OD	A	L	L2	
			±0.2	±0.2	±0.5	±0.2	±0.2	±1.5	±0.1	
STBT-1	24-22	0.2-0.5	1.95	1.25	12.68	4.3	3.6	25	2.5	透明 Clear
STBT-2	22-18	0.5-1.0	3.2	1.6	18.35	6.6	5.6	38	3.4	红色 Red
STBT-3	16-14	1.5-2.5	3.95	2.35	19.5	7.9	6.6	38	4.7	蓝色 Blue
STBT-4	12-10	4.0-6.0	5.6	3.6	21	10	7.9	38	5.2	黄色 Yellow

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