

Heat-Shrinkable Crimp Terminals and Disconnects 热收缩末接端子

PE护套·带胶密封
PE-Lined·Adhesive-Sealed

HS系列通过简便的“压接+加热”工序,即可一步构建出具备高等级防水密封与抗拉加固的电气连接。其内部采用高导电紫铜管,外覆3:1高收缩比的PE套管;加热后,内壁热熔胶融化填充缝隙,冷却固化后形成致密的防护层,既能有效隔绝-55°C至125°C环境下的水汽、盐雾及工业油污,又能锁紧线缆绝缘层,从而抵抗剧烈震动与外部拉扯,防止断线风险。半透明护套设计让压接质量一目了然。该系列涵盖圆形、叉形、公母对插等全系规格,完美适配汽车、船舶及工业自动化等严苛场景,在简化安装流程的同时,显著提升线路的长期可靠性。

The HS Series delivers a sealed, rugged connection in a streamlined "Crimp & Heat" process. Featuring a tin-plated copper barrel and a 3:1 PE sleeve, it creates a permanent bond that withstands water, salt spray, oils, and chemicals across a -55°C to 125°C temperature range. The translucent insulation allows for immediate visual inspection, while the cured adhesive core provides integral strain relief, rigidly securing the wire insulation to prevent pull-out and failure from vibration fatigue. Available in a full range of styles—including ring, fork, and disconnects—the HS Series covers virtually every wiring requirement in automotive, marine, and industrial systems, reducing installation time while boosting long-term reliability.

端子类型详解

- **叉形端子:**开口设计,便于在螺丝柱上快速安装与拆卸。
- **环形端子:**闭环接线头设计,提供最稳固的螺柱连接。
- **铲形端子:**公/母快速连接对插设计,便于快速检修连接。
- **针形端子:**直针末端,适用于接线端子排及阻隔条。
- **子弹形端子:**子弹头/插座配对设计,适用于线缆对接及可插拔连接。

Series Overview

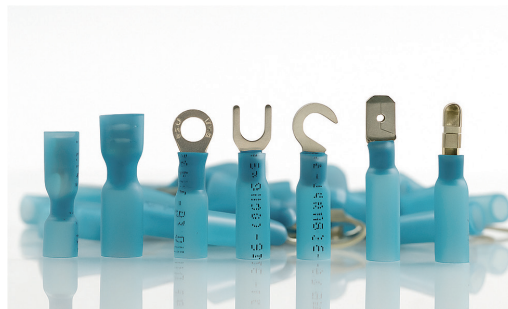
- Fork Terminals: open-prong design for quick screw-post attachment and removal
- Ring Terminals: closed-loop lug for the most secure stud connection
- Spade Terminals: male/female quick-disconnect pairs for rapid service access
- Pin Terminals: straight-pin end for plug blocks and barrier strips
- Bullet Terminals: bullet/socket pairing for in-line, pull-apart connections

备注:

- 请根据线规(线径)匹配相应色标的热缩末接端子。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 terminal. 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

- **360°环境密封:**有效防水防腐蚀。
- **3:1收缩比:**适配广泛的线规范围,并提供内置的应力消除功能。
- **半透明PE护套:**可即时通过目视确认压接位置及导线插入是否正确。
- **抗震柔韧结构:**优异的韧性可有效缓冲机械震动与应力,长期服役不脆化、不开裂。
- **安装快捷低成本:**使用标准压接工具及热风枪即可,无需焊锡。

- 360° environmental seal resists water, fuel, oil, and corrosion
- 3 : 1 shrink ratio accommodates a wide wire-gauge range and provides built-in strain relief
- Translucent PE jacket enables instant visual confirmation of proper crimp and wire insertion
- Vibration Resistant & Flexible: Absorbs mechanical stress and vibration without cracking or becoming brittle over time.
- Quick, low-cost installation with standard crimp tools and a heat gun—no solder required

颜色 COLOR



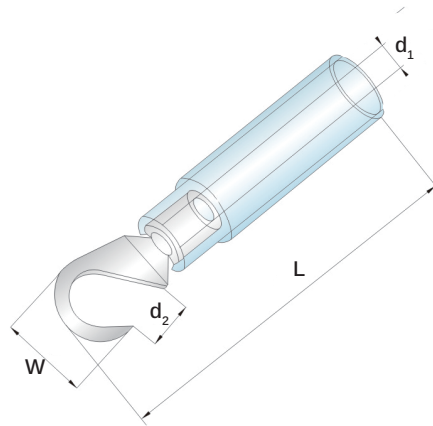


表 A. 钩形末接端子
Table A. Hook Terminal

编号 Part No.	适用线规 Wire Range		螺栓尺寸 Stud Size (mm)			宽度 Width (mm)	长度 Length (mm)	颜色 Color
	A.W.G	mm ²	尺寸 Size	d ₁	d ₂	W	L±3	
HS125-HV1.25-5	22-18	0.5-1.0	#10	1.7	5.3	8.0	32	红色 Red
HS125- HV2-5	16-14	1.5-2.5	#10	2.4	5.3	9.5	33	蓝色 Blue
HS125-HV5.5-5	12-10	4.0-6.0	#10	3.5	5.3	9.5	38	黄色 Yellow

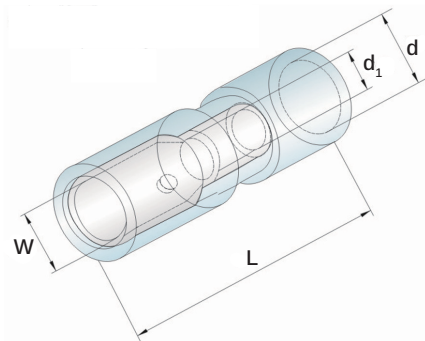
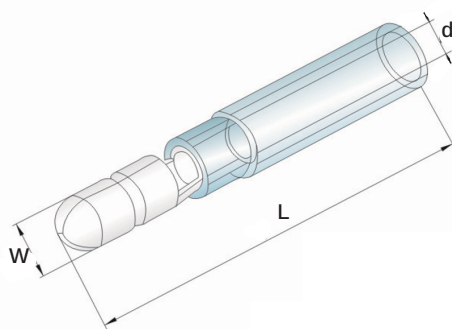


表 B. 子弹型末接端子
Table B. Bullet Terminals

编号 Part No.	适用线规 Wire Range		螺栓尺寸 Stud Size (mm)			宽度 Width (mm)	长度 Length (mm)	颜色 Color
	A.W.G	mm ²	尺寸 Size	d	d ₁	W	L±3	
HS125-MPD1-156	22-18	0.5-1.0	0.35	1.7	—	4.0	31	红色 Red
HS125-MPD2-156	16-14	1.5-2.5	0.35	2.4	—	4.0	34	蓝色 Blue
HS125- MPD5-195	12-10	4.0-6.0	0.35	3.5	—	5.0	34	黄色 Yellow
HS125-FRD1-156	22-18	0.5-1.0	0.35	—	1.7	4.0	26	红色 Red
HS125-FRD2-156	16-14	1.5-2.5	0.35	—	2.4	4.0	26	蓝色 Blue
HS125- FRD5-195	12-10	4.0-6.0	0.35	—	3.5	5.0	29	黄色 Yellow

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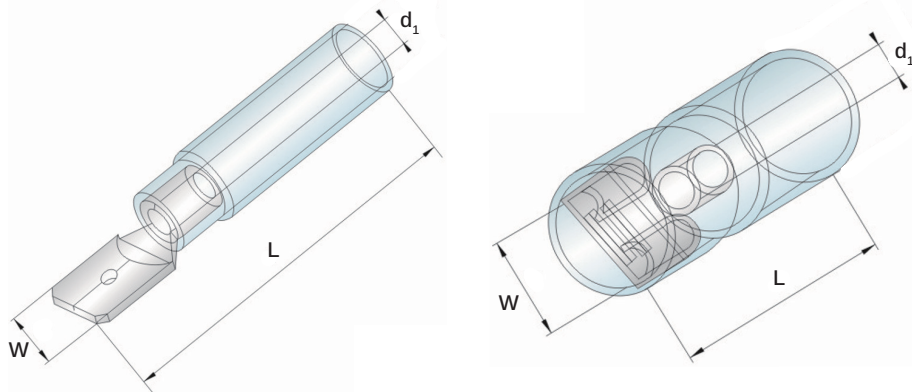


表 C. 铲型末接端子
Table C. Spade Terminals

编号 Part No.	适用线规 Wire Range		螺栓尺寸 Stud Size (mm)		宽度 Width (mm)	长度 Length (mm)	颜色 Color
	A.W.G	mm ²	尺寸 Size	d ₁	W	L±3	
HS125-MDD1-250	22-18	0.5-1.0	0.7	1.7	6.3	31	红色 Red
HS125-MDD2-250	16-14	1.5-2.5	0.7	2.4	6.3	31	蓝色 Blue
HS125-MDD5-250	12-10	4.0-6.0	0.7	3.5	6.3	33	黄色 Yellow
HS125-FDD1-250	22-18	0.5-1.0	0.35	1.7	6.6	29	红色 Red
HS125-FDD2-250	16-14	1.5-2.5	0.35	2.4	6.6	30	蓝色 Blue
HS125-FDD5-250	12-10	4.0-6.0	0.35	3.5	6.6	32	黄色 Yellow

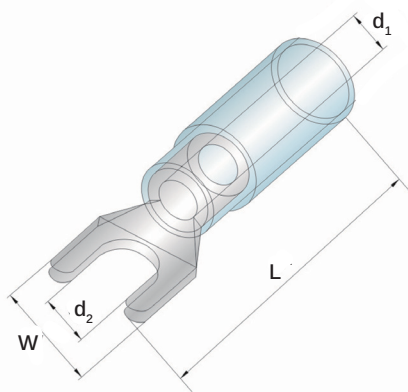


表 D. 叉型末接端子
Table D. Fork Terminals

编号 Part No.	适用线规 Wire Range		螺栓尺寸 Stud Size (mm)			宽度 Width (mm)	长度 Length (mm)	颜色 Color
	A.W.G	mm ²	尺寸 Size	d ₁	d ₂	W	L±3	
HS125-SV1.25-5	22-16	0.5-1.5	#10	1.7	5.2	8.0	31	红色 Red
HS125-SV2-5	16-14	1.5-2.5	#10	2.4	5.2	8.0	31	蓝色 Blue
HS125-SV5.5-5	12-10	4-6	#10	3.5	5.2	9.0	36	黄色 Yellow

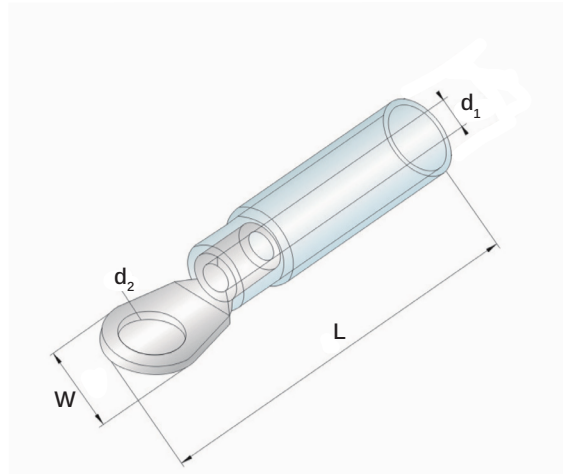


表 E. 环型未接端子
Table E. Ring Terminals

编号 Part No.	适用线规 Wire Range		螺栓尺寸 Stud Size (mm)			宽度 Width (mm)	长度 Length (mm)	颜色 Color
	A.W.G	mm ²	尺寸 Size	d ₁	d ₂	W	L±3	
HS125-RV1.25-5	22-18	0.5-1.0	#10	1.7	5.2	8.0	31	红色 Red
HS125- RV1.25-6	22-18	0.5-1.0	#1/4	1.7	6.2	11.6	36.5	红色 Red
HS125- RV1.25-8	22-18	0.5-1.0	#5/16	1.7	8.2	11.6	37	红色 Red
HS125- RV1.25-10	22-18	0.5-1.0	#3/8	1.7	10.3	13.6	37.5	红色 Red
HS125- RV2-5	16-14	1.5-2.5	#10	2.4	5.2	8.5	31.5	蓝色 Blue
HS125- RV2-6	16-14	1.5-2.5	#1/4	2.4	6.2	12.0	36.5	蓝色 Blue
HS125- RV2-8	16-14	1.5-2.5	#5/16	2.4	8.2	12.0	36.5	蓝色 Blue
HS125-RV2-10	16-14	1.5-2.5	#3/8	2.4	10.3	13.6	39.5	蓝色 Blue
HS125- RV5.5-5	12-10	4.0-6.0	#10	3.5	5.2	9.5	35	黄色 Yellow
HS125- RV5.5-6	12-10	4.0-6.0	#1/4	3.5	6.2	12.0	39	黄色 Yellow
HS125- RV5.5-8	12-10	4.0-6.0	#5/16	3.5	8.2	15.0	44	黄色 Yellow
HS125- RV5.5-10	12-10	4.0-6.0	#3/8	3.5	10.3	15.0	44	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
	断裂伸长率 Elongation	Min. 200%
老化后 Aged	抗张强度 Tensile strength	Min. 11.5MPa
	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°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
最大正割模量 (2%) Maximum secant modulus (2%)	250 MPa	—
体积电阻率 Volume resistivity	Min. $10^{14} \Omega \cdot \text{cm}$	—
热冲击 Heat shock	无裂纹 No crack	200°C / 4hrs