

Solder Sleeve Coaxial Cable Terminals 同轴电缆焊锡末接端子

同轴线连接一步到位：密封、屏蔽、加固
Seal, Shield, and Secure: The One-Step Coaxial Solution.

SC 系列为同轴电缆 (RG 系列及定制线缆) 提供了一种快速、可靠的终端连接与接地方案, 广泛应用于汽车电子、工业通信及 PCB 板级连接。该产品采用一体化设计, 集成了热缩绝缘管、定量焊锡环及热熔胶环。仅需一次加热, 即可同步完成中心导体与屏蔽层的焊接固定, 有效防止因震动导致的断线与信号失真。透明护套支持直观的质检, 而可选配的预装接地线则大幅简化了现场组装流程。全系提供标准及耐高温版本, 满足严苛环境下的信号传输需求。

The SC Series delivers a fast, reliable, and sealed termination solution for RG and custom coaxial cables in automotive, industrial, and PCB applications. Each unit integrates a heat-shrink sleeve, prefluxed solder ring, and hot melt adhesive ring to secure both the center conductor and the shield. This prevents wire breakage and ensures stable signal integrity under vibration. The transparent insulation allows for easy visual inspection, while optional preinstalled ground leads simplify assembly. Available in standard and high-temperature versions to withstand demanding environments.

系列概览

- SC125B (环保型): 聚烯烃套管, 锡环满足环保要求, 耐温 125°C。
- SC125C (通用型): 聚烯烃/PVDF 复合套管, 耐温 125°C。
- SC150A (耐高温型): PVDF 套管, 提供单件式/双件式结构, 耐温 150°C。

Series Overview

- SC125B: Polyolefin sleeve. The solder rings meet environmental protection requirements, rated to 125°C.
- SC125C (General): Polyolefin/PVDF sleeve, rated to 125°C.
- SC150A (High-Temp): PVDF sleeve, One/Two-Piece design, rated to 150°C.

备注:

- 请根据您的电缆额定温度、屏蔽层镀层以及安装需求选择合适的 SC 系列产品。关于详细的电缆兼容性、接地引线选项及产品零件号, 请参阅表 A-D。
- 可按需提供定制配置。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:

- Select the appropriate SC series by your cable's temperature rating, shield plating, and installation needs. For detailed cable compatibility, ground lead options, and part numbers, see Table A-D.
- Custom configurations are available on request. Specifications may change without notice; minimum order quantities may differ from standard packaging.



特性与优势 Features and benefits

- 双重保护: 同时密封绝缘中心导体与屏蔽层, 防止信号丢失与断路。
- 优异导电: 预涂助焊剂锡环, 确保低电阻、高一致性的电气连接。
- 可视化质检: 全透明套管设计, 焊接质量与线缆位置一目了然。
- 高效组装: 可选配预装接地线, 开箱即用, 提升装配效率。
- Dual Protection: Seals and insulates both center conductor and shield to prevent signal loss.
- Consistent Connection: Prefluxed solder ring ensures low-resistance, repeatable joints.
- Visual Inspection: Transparent sleeve enables instant quality verification.
- Assembly Ready: Optional preinstalled ground leads simplify grounding operations.

颜色 COLOR



产品选型 Product Options					
产品系列 Product Series	最高工作温度 Max. Operating Tem.	适用电缆最低耐温 Use on Cables Rated (Min)	适用屏蔽镀层 Cable Shield Plating	选型参考表 Part No. Selection Table	结构设计 Design
SC125B/C-xx-DG	125°C [257°F]	85°C [185°F]	锡/铜 Tin, copper	A	2-pc
SC150A-xZ	125°C [302°F]	125°C [257°F]	锡/银 Tin, silver	B	1-pc
SC150A-x	125°C [302°F]	125°C [257°F]	锡/银 Tin, silver	C	2-pc
SC125C-xx-DD	125°C [257°F]	85°C [185°F]	锡 Tin	D	2-pc

预装线规格说明 Preinstalled Lead Descriptions					
系列 Series	镀层 Plating	导体结构 Stranding	AWG	长度 Length	颜色 Color
SC125B/C-xx-DG	锡 Tin	多股绞合线 Stranded (W1)	22	150 [6.000]	白色 (中心线), 绿色 (接地线) White (cntr), green (grnd)
SC150A-21	银 Silver	单股无氧高导电 Solid-OFHC	24-30	150 [6.000]	白色 (中心线), 蓝色 (接地线) White (cntr), blue (grnd)
SC150A-41	银 Silver	单股无氧高导电 Solid-OFHC	24-30	150 [6.000]	白色 (中心线), 蓝色 (接地线) White (cntr), blue (grnd)
SC150A-43	银 Silver	单股无氧高导电 Solid-OFHC	24-30	150 [6.000]	白色 (中心线), 蓝色 (接地线) White (cntr), blue (grnd)
SC150A-20	锡 Tin	多股绞合线 Stranded	20-30	150 [6.000]	白色 (中心线), 蓝色 (接地线) White (cntr), blue (grnd)
SC150A-40	锡 Tin	多股绞合线 Stranded	20-30	150 [6.000]	白色 (中心线), 蓝色 (接地线) White (cntr), blue (grnd)
SC150A-44	锡 Tin	多股绞合线 Stranded	20-30	150 [6.000]	白色 (中心线), 蓝色 (接地线) White (cntr), blue (grnd)
SC150A-12xx	锡 Tin	多股绞合线 Stranded	20-30	150 [6.000]	白色 (中心线), 白底黑条 (接地线) White (cntr), white w/black stripe (grnd)
SC150A-22xx	锡 Tin	多股绞合线 Stranded	20-30	150 [6.000]	白色 (中心线), 白底黑条 (接地线) White (cntr), white w/black stripe (grnd)
SC150A-32xx	锡 Tin	多股绞合线 Stranded	20-30	150 [6.000]	白色 (中心线), 白底黑条 (接地线) White (cntr), white w/black stripe (grnd)
SC150A-18xx	银 Silver	单股线 Solid	26-30	150 [6.000]	白色 (中心线), 蓝色 (接地线) White (cntr), blue (grnd)
SC150A-28xx	银 Silver	单股线 Solid	26-30	150 [6.000]	白色 (中心线), 蓝色 (接地线) White (cntr), blue (grnd)
SC150C-12xx	锡 Tin	多股绞合线 Stranded	20-26	150 [6.000]	白色 (中心线), 白底黑条 (接地线) White (cntr), white w/black stripe (grnd)

表 A. SC125C-xx-DG 系列
Table A. SC125C-xx-DG Series

RG 线缆编号 Cable RG Number	尺寸范围 Dimensions		产品编号 (带预装线) Part No. With Preinstalled Lead
	介电层外径 Dielectric OD	护套外径 Jacket OD	绿/白 Green/White AWG/0.38 mm ²
174	0.80-2.30 [.032-.091]	1.30-2.80 [.051-.110]	SC125C-74-DG
58,122	2.00-2.80 [.079-.110]	2.50-4.40 [.100-.173]	SC125C-58-DG
59	2.80-3.30 [.110-.130]	3.20-6.00 [.125-.235]	SC125C-59-DG

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表 B. SC150A-xZ
Table B. SC150A-xZ

第一步：同轴产品组别选择 Part 1: Coaxial Product Group Selection

典型兼容电缆型号 Typical Compatible Part No.		尺寸范围 Dimension Range				同轴产品组别 (单件式) One-Piece Coaxial Product Group
RG 线缆编号 RG Cable Number	线缆描述 Cable Description	护套外径 Jack OD (Max.)	屏蔽外径 Shield OD	介电层外径 Dielectric OD	导体外径 Conductor OD	
RG178, RG404	5030A13XX	3.40	1.30-2.30	0.50-1.70	0.30-0.80	组 1 Group 1
	5028A13XX	[.134]	[.051-.091]	[.019-.067]	[.011-.032]	
RG179, RG316	5024A13XX					组 2 Group 2
	7530A14XX	4.40	1.50-2.80	1.20-2.50	0.30-1.60	
	7526A13XX	[.173]	[.060-.110]	[.047-.100]	[.011-.063]	
RG180, RG302 RG303	9527A13XX	6.30	2.40-4.60	1.40-4.30	0.30-2.80	组 3 Group 3
	9528A13XX	[.248]	[.094-.181]	[.011-.110]	[.011-.110]	

第二步：产品编号选择 Part 2: Product Part Number Selection

同轴产品组别 (单件式) One-Piece Coaxial Product Group	预装线类型 Preinstalled Wire Type	预装线尺寸 Preinstalled Wire Size					
		20 AWG	22 AWG	24 AWG	26 AWG	28 AWG	30 AWG
Group 1	多股绞合线 Stranded	-	SC150A-4422Z-DL	SC150A-4424Z-DL	SC150A-4426Z-DL	-	-
	单股线 Solid	-	-	SC150A-4324Z-DS	SC150A-4326Z-DS	SC150A-4328Z-DS	SC150A-4330Z-DS
Group 2	多股绞合线 Stranded	SC150A-4020Z-DL	SC150A-4022Z-DL	SC150A-4024Z-DL	SC150A-4026Z-DL	SC150A-4028Z-DL	SC150A-4030Z-DL
	单股线 Solid	-	-	SC150A-4124Z-DS	SC150A-4126Z-DS	SC150A-4128Z-DS	SC150A-4130Z-DS
Group 3	多股绞合线 Stranded	SC150A-2020Z-DL	SC150A-2022Z-DL	SC150A-2024Z-DL	SC150A-2026Z-DL	-	-
	单股线 Solid	-	-	-	SC150A-2126Z-DS	-	-

1. SC150A-XZ 系列采用单件式 (One-piece) 设计, 用于端接额定耐温至少为 125°C 的同轴电缆。
2. 使用本表的第一步 (Part 1): 根据您的 RG 电缆编号、电缆描述或电缆尺寸, 选择合适的同轴产品组别 (1、2 或 3)。
3. 使用本表的第二步 (Part 2): 根据您在第一步中选定的同轴产品组别, 以及在上一页选定的预装引线类型, 查找对应的产品零件号。

1. The SC150A-XZ series uses a one-piece design to terminate coaxial cables rated at 125°C minimum.
2. Using Part 1 of this table, select the appropriate coaxial product group (1, 2, or 3) based on your RG cable number, TE cable description, or cable dimensions.
3. Using Part 2 of this table, select the product part number based on the coaxial product group you selected in Part 1 and the appropriate preinstalled lead type you selected on the previous page.

表 C. SC150A-x 系列
Table C. SC150A-x Series

产品编号 Product Name	产品尺寸 Product Dimensions								线规 Wire AWG
	A min.	B min.	C min.	D min.	E min.	F min.	L1 max.	L2 max.	
SC150A-1220-DT									20
SC150A-1222-DT									22
SC150A-1224-DT	3.7	3.2	2.7	2.4	0.71	2.3	17	21.5	24
SC150A-1226-DT	[0.145]	[0.125]	[0.105]	[0.095]	[0.028]	[0.09]	[0.67]	[0.85]	26
SC150A-1226-DS									26
SC150A-1230-DS									30
SC150A-2220-DT									20
SC150A-2222-DT									22
SC150A-2224-DT	4.5	4	3.45	2.9	1.1	3	17	22.7	24
SC150A-2226-DT	[0.18]	[0.16]	[0.135]	[0.115]	[0.045]	[0.12]	[0.67]	[0.895]	26
SC150A-2226-DS									26
SC150A-2230-DS									30
SC150A-3220-DT									20
SC150A-3222-DT									22
SC150A-3224-DT	5.2	4.7	4.45	3.95	1.3	4	17	21.5	24
SC150A-3226-DT	[0.205]	[0.185]	[0.175]	[0.155]	[0.055]	[0.16]	[0.67]	[0.85]	26
SC150A-3226-DS									26
SC150A-3230-DS									30

表 D. SC125C-xx-DD 系列
Table D. SC125C-xx-DD Series

产品编号 Product Name	产品尺寸 Product Dimensions								线规 Wire AWG
	A min.	B min.	C min.	D min.	E min.	F min.	L1 max.	L2 max.	
SC125C-1220-DD									20
SC125C-1222-DD	3.7	3.2	2.7	2.4	0.71	2.3	17	21.5	22
SC125C-1224-DD	[0.145]	[0.125]	[0.105]	[0.095]	[0.028]	[0.09]	[0.67]	[0.85]	24
SC125C-1226-DD									26
SC125C-2220-DD									20
SC125C-2222-DD	4.5	4	3.45	2.9	1.1	3	17	22.7	22
SC125C-2224-DD	[0.18]	[0.16]	[0.135]	[0.115]	[0.045]	[0.12]	[0.67]	[0.895]	24
SC125C-2226-DD									26

产品特性 Product Characteristics

材料规格 Material

绝缘套管 Insulation (SC150A, SC125C-xx-DD)	辐射交联热缩聚偏氟乙烯 Radiation-crosslinked, heat-shrinkable polyvinylidene fluoride
绝缘套管 Insulation (SC125B/C-xx-DG)	辐射交联热缩聚烯烃 Radiation-crosslinked, heat-shrinkable polyolefin
热熔密封环 Melttable Inserts	氟碳基热塑性塑料 Fluorocarbon-based thermoplastic
焊料 Solder (SC150A)	焊料: Sn63 Pb37 Solder: Sn63 Pb37
焊料 Solder (SC125C)	焊料: Sn50 Pb30 Cd18 Solder: Sn50 Pb30 Cd18
焊料 Solder (SC125B)	焊料: Sn42 Bi58 Solder: Sn42 Bi58

典型性能 Typical Performance

电压降 Voltage drop	2.0mv
抗拉强度 Tensile Strength	超过导线本体强度 Exceeds strength of conductor
介电强度 Dielectric strength	2.0kv
额定工作温度 Temperature Rating (SC125B/C)	-55°C to 125°C [-67°F to 257°F]
额定工作温度 Temperature Rating (SC150A)	-55°C to 150°C [-67°F to 302°F]
绝缘电阻 Insulation Resistance	1000 兆欧 (MΩ) 1000 megohms