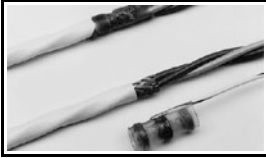


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## S063-4-01 Product Details

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**S063-4-01**

TE Internal Number:  
898251-000

 Active

### Shield Terminators

 Always ELV Compliant (Statement of Compliance)

### Product Highlights:

- Shield Terminator
- Terminator Type = Solder Sleeve
- Fluid Resistance = Immersion
- Cable Temperature Rating = 125 °C
- Jacket Outer Diameter = 6.00 mm

[View all Features](#)

### Quick Links

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## Documentation & Additional Information

### Product Drawings:

- [SolderSleeve Device Shield Termination with Braid \(PDF, English\)](#)

### Catalog Pages/Data Sheets:

- None Available

### Product Specifications:

- None Available

### Application Specifications:

- None Available

### Instruction Sheets:

- None Available

### CAD Files:

- None Available

[List all Documents](#)

### Additional Information:

- [Product Line Information](#)

### Related Products:

- [Tooling](#)

## Product Features (Please use the Product Drawing for all design activity)

### Product Type Features:

- Product Type = Shield Terminator
- Preinstalled Lead Wire Size (mm<sup>2</sup> [AWG]) = Braid Strap [CMA 1000]
- Preinstalled Lead Type = Braid Strap
- Preinstalled Lead Stranding = 40x38 AWG

### Dimensions:

- Length (Max.) (mm [in]) = 20.85 [0.820]
- Inside Diameter (mm [in]) = 5.95 [0.235]

### Body Features:

- Terminator Type = Solder Sleeve
- [Jacket Outer Diameter \(mm \[in\]\)](#) = 6.00 [0.236]
- Preinstalled Lead Plating = Nickel

### Housing Features:

- [Shield O.D. \(Min.\) \(mm \[in\]\)](#) = 3.30 [0.130]

### Configuration Features:

- [Preinstalled Lead](#) = With

### Industry Standards:

- [RoHS/ELV Compliance](#) = ELV compliant
- [Lead Free Solder Processes](#) = Not relevant for lead free process
- RoHS/ELV Compliance History = Always was ELV compliant
- MIL or NAS Specification (MIL-S-83519) (NAS 1747) = No

### Environmental:

- Fluid Resistance = Immersion
- Operating Temperature (Max.) (°C) = 150

### Conditions for Usage:

- [Cable Temperature Rating \(°C\)](#) = 125

### Other:

- Brand = Raychem

- Temperature Indication System = With
- Temperature Indication System Type = BiAlloy

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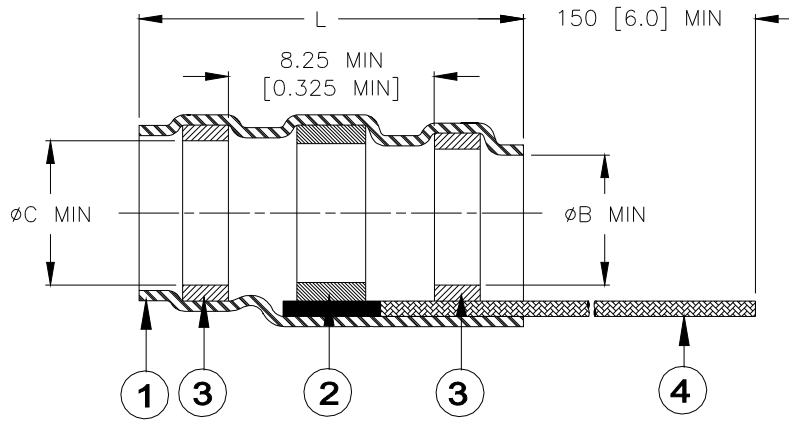
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## SPECIFICATION CONTROL DRAWING



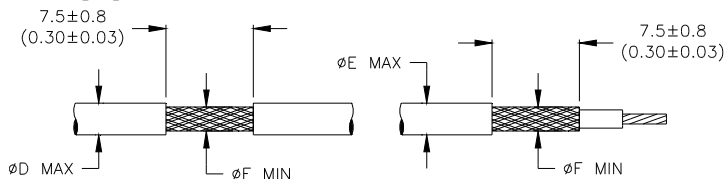
Product Revision		Ident. Code	Component Dimensions			Shall Accommodate with Cable Dimensions		
Product Name			$L \pm 1.75$ ( $L \pm 0.070$ )	$\phi B$ min	$\phi C$ min	$\phi D$ max	$\phi E$ max	$\phi F$ min
SO63-1-01	E	SO631R	16.50 (0.650)	1.90 (0.075)	2.65 (0.105)	1.90 (0.075)	2.65 (0.105)	0.90 (0.035)
SO63-2-01	E	SO632R	16.50 (0.650)	2.65 (0.105)	3.68 (0.145)	2.65 (0.105)	3.68 (0.145)	1.40 (0.055)
SO63-3-01	E	SO633R	16.50 (0.650)	4.30 (0.170)	5.08 (0.200)	4.30 (0.170)	5.08 (0.200)	2.15 (0.085)
SO63-4-01	E	SO634R	19.10 (0.750)	5.95 (0.235)	6.45 (0.255)	5.95 (0.235)	6.45 (0.255)	3.30 (0.130)
SO63-5-01	E	SO635R	19.10 (0.750)	7.00 (0.275)	7.60 (0.300)	7.00 (0.275)	7.60 (0.300)	4.30 (0.170)

### MATERIALS

- INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked modified polyvinylidene fluoride.
- SOLDER PREFORM WITH FLUX AND THERMAL INDICATOR:  
 SOLDER: TYPE Sn63 per ANSI/J-STD-006.  
 FLUX: TYPE ROL1 per ANSI/J-STD-004.  
 THERMAL INDICATOR: Fusible ring, melt point: 221°C.
- MELTABLE RINGS: Stabilized thermoplastic. Color: blue.
- PRE-INSTALLED BRAID: Nickel-plated copper strands. CMA 640.

### APPLICATION

- These parts are designed to provide an environment protected shield termination on cables, rated for 125°C minimum, meeting the dimensional criteria listed and having tin or silver-plated shields and insulation compatible with the insert material.  
For compatible insulations, see MIL-S-83519/2 or consult TE Connectivity/Raychem.
- When installed per Raychem process standard RCPS-100-70, assemblies will meet those requirements of Raychem Specification RT-1404 and MIL-S-83519/2 which do not require electrical testing while parts are immersed in water.
- Temperature range: -55°C to +150°C.
- Parts shall be marked with identification code per table.  
For best results, prepare the cable as shown:



		TE Connectivity 300 Constitution Drive, Menlo Park, CA. 94025, U.S.A.				TITLE: <b>SOLDERSLEEVE DEVICE                  SHIELD TERMINATION WITH BRAID</b>	
Unless otherwise specified dimensions are in millimeters. [Inches dimensions are shown in brackets]				DOCUMENT NO.: <b>SO63-XX-01</b>			
TOLERANCES: 0.00 N/A 0.0 N/A 0 N/A		ANGLES: N/A ROUGHNESS IN MICRON		TE Connectivity reserves the right to amend this drawing at any time. Users should evaluate the suitability of the product for their application.			
DRAWN BY: M. FORONDA		CAGE CODE: 06090		REPLACES: D982100		DCR NUMBER: D030398	
PROD. REV.: SEE TABLE		SCALE: None		DATE: 15-Apr-11		SHEET: 1 of 1	