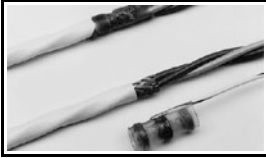


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## SO63-4-55-20-90 Product Details

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SO63-4-55-20-90

TE Internal Number:  
816870-000

 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 with Pre-installed Lead Immersio...](#) (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]) = 0.61 [20]
- Preinstalled Lead Type = 55A0111
- Preinstalled Lead Stranding = Stranded

#### 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 = Tin

#### 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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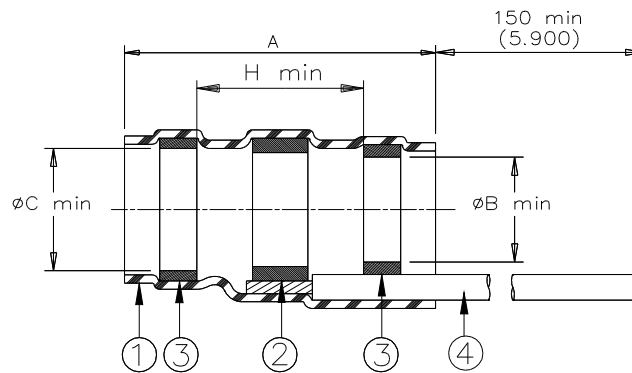
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### Keep Me Informed



# SPECIFICATION CONTROL DRAWING



Product Revision		Ident. Code	Product Dimensions				Cable Dimensions				
Product Name			A±1.75 (A±0.07)	øB min	øC min	H min	øE max	øF min	øG min	øD max	J±0.5 (J±0.02)
SO63-1-55-GA-CL	*	SO631R	16.5 (0.650)	1.90 (0.075)	2.65 (0.105)	8.25 (0.325)	2.65 (0.105)	0.90 (0.035)	0.50 (0.020)	1.90 (0.075)	7.5 (0.295)
SO63-2-55-GA-CL	*	SO632R	16.5 (0.650)	2.65 (0.105)	3.68 (0.145)	8.25 (0.325)	3.68 (0.145)	1.40 (0.055)	0.75 (0.030)	2.65 (0.105)	7.5 (0.295)
SO63-3-55-GA-CL	*	SO633R	16.5 (0.650)	4.30 (0.170)	5.08 (0.200)	8.25 (0.325)	5.08 (0.200)	2.15 (0.085)	1.25 (0.050)	4.30 (0.170)	7.5 (0.295)
SO63-4-55-GA-CL	*	SO634R	19.1 (0.750)	5.95 (0.235)	6.45 (0.255)	8.25 (0.325)	6.45 (0.255)	3.30 (0.130)	1.80 (0.070)	5.95 (0.235)	7.5 (0.295)
SO63-5-55-GA-CL	*	SO635R	19.1 (0.750)	7.00 (0.275)	7.6 (0.300)	8.25 (0.325)	7.6 (0.300)	4.30 (0.170)	2.50 (0.100)	7.00 (0.275)	7.5 (0.295)

\* Consult Raychem for individual product revision. Contains more than 1 part name.

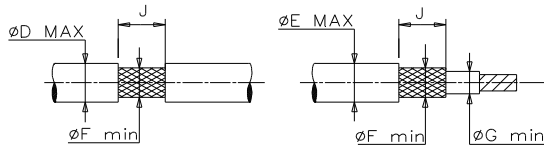
## MATERIALS

- 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 RING: Environment resistant thermoplastic. Color:blue.
- GROUND LEAD: MIL-W-22759/32-GA-CL. See part number guide for gauge and color information.

## APPLICATION

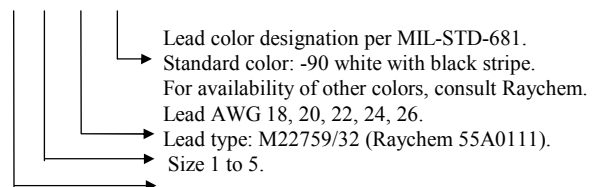
- These parts will provide a shield termination assembly which will meet the requirements of MIL-S-83519/2 when installed in accordance with Raychem RCPS-100-70 on cables rated for at least 125°C, meeting the dimensional criteria listed, having tin or silver plated shields. See M83519 or consult Raychem for compatible insulation material.
- Temperature rating: -55°C to +150°C.

For best results, prepare the cable as shown:



Parts shall be noted with identification code per table.  
 "G" is the minimum diameter on which the sleeve will seal.

Part Number Guide:  
 SO63-A-55-GA-CL



\* A trademark of TE Connectivity.

		TE Connectivity 300 Constitutional Drive Menlo Park, CA 94025 USA		<b>RAYCHEM</b>		TITLE: <b>SOLDERSLEEVE* DEVICE WITH PRE-INSTALLED LEAD IMMERSION RESISTANT</b>					
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS. INCHES DIMENSIONS ARE BETWEEN BRACKETS.						DOCUMENT NO.: <b>SO63-A-55-GA-CL</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.		DATE: <b>16-Apr-11</b>		DOC ISSUE: <b>8</b>			
DRAWN BY: <b>M. FORONDA</b>		CAGE CODE: <b>06090</b>		REPLACES: <b>D981087</b>		DCR NUMBER: <b>D981962</b>		PROD. REV.: <b>SEE TABLE</b>		SCALE: <b>None</b> SIZE: <b>A</b> SHEET: <b>1 of 1</b>	

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