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SO63-2-01 Product Details

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SO63-2-01

TE Internal Number:
133962-000



Shield Terminators

Not EU RoHS or ELV Compliant

Product Highlights:

- Shield Terminator
- Terminator Type = Solder Sleeve
- Fluid Resistance = Immersion
- Cable Temperature Rating = 125 °C
- Jacket Outer Diameter = 2.70 mm

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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

Additional Information:

- [Product Line Information](#)

Related Products:

- [Tooling](#)

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

Product Type Features:

- Product Type = Shield Terminator
- Preinstalled Lead Wire Size (mm² [AWG]) = Braid Strap [CMA 1000]
- Preinstalled Lead Type = Braid Strap
- Preinstalled Lead Stranding = 40x38 AWG

Dimensions:

- Length (Max.) (mm [in]) = 18.25 [0.720]
- Inside Diameter (mm [in]) = 2.65 [0.105]

Body Features:

- Terminator Type = Solder Sleeve
- **Jacket Outer Diameter (mm [in])** = 2.70 [0.105]
- Preinstalled Lead Plating = Nickel

Housing Features:

- Shield O.D. (Min.) (mm [in]) = 1.40 [0.055]

Configuration Features:

- **Preinstalled Lead** = With
- Temperature Indication System = With
- Temperature Indication System Type = BiAlloy

Industry Standards:

- **RoHS/ELV Compliance** = Not ELV/RoHS compliant
- **Lead Free Solder Processes** = Not relevant for lead free process
- MIL or NAS Specification (MIL-S-83519) (NAS 1747) = No

Environmental:

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

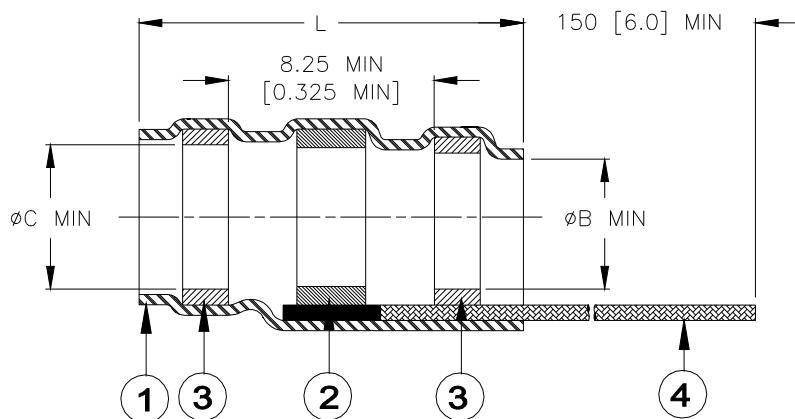
Conditions for Usage:

- **Cable Temperature Rating (°C)** = 125

Other:

- Brand = Raychem

SPECIFICATION CONTROL DRAWING



Product Revision	Ident. Code	Component Dimensions			Shall Accommodate with Cable Dimensions		
		$L \pm 1.75$ ($L \pm 0.070$)	ϕB min	ϕC min	ϕD max	ϕE max	ϕF 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)
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)
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)
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)
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)

MATERIALS

1. INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked modified polyvinylidene fluoride.

2. 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.

3. MELTABLE RINGS: Stabilized thermoplastic. Color: blue.

4. PRE-INSTALLED BRAID: Nickel-plated copper strands. CMA 640.

APPLICATION

1. 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.

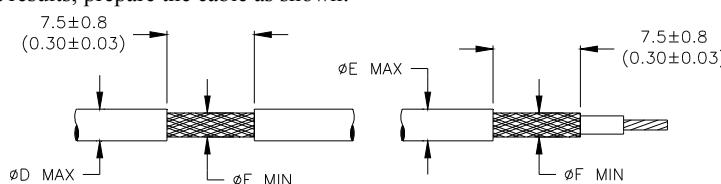
For compatible insulations, see MIL-S-83519/2 or consult TE Connectivity/Raychem.

2. 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.

3. Temperature range: -55°C to +150°C.

4. 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: SOLDERSLEEVE DEVICE SHIELD TERMINATION WITH BRAID					
			DOCUMENT NO.:		SO63-XX-01			
Unless otherwise specified dimensions are in millimeters. [Inches dimensions are shown in brackets]			DOC. ISSUE:			DATE:		
TOLERANCES: 0.00 N/A 0.0 N/A 0 N/A			6			15-Apr-11		
DRAWN BY: M. FORONDA	CAGE CODE: 06090	REPLACES: D982100	DCR NUMBER: D030398	PROD. REV.:	SCALE: None	SIZE: A		
ROUGHNESS IN MICRON			SEE TABLE	SHEET: 1 of 1				