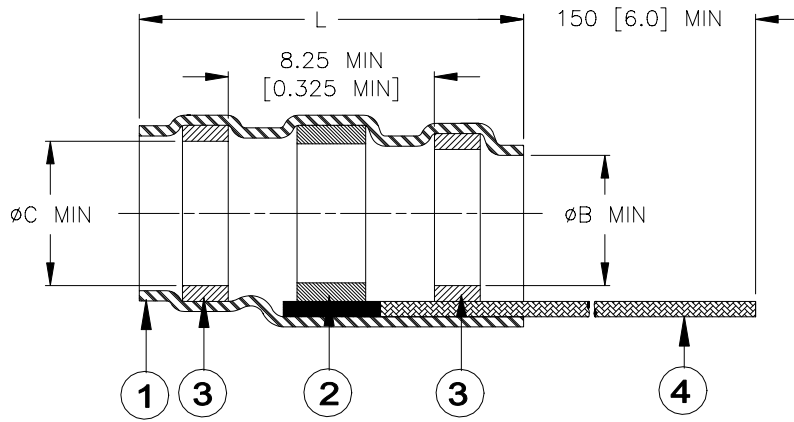


SPECIFICATION CONTROL DRAWING



Product Revision		Ident. Code	Component Dimensions			Shall Accommodate with Cable Dimensions		
Product Name			$L \pm 1.75$ ($L \pm 0.070$)	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)	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)

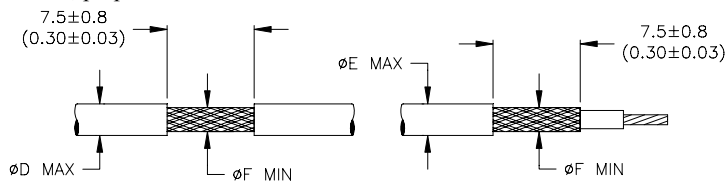
MATERIALS

- 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 Tyco Electronics/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:



tyco Electronics		Tyco Electronics Corporation 300 Constitution Drive, Menlo Park, CA. 94025, U.S.A.		Raychem		TITLE: SOLDERSLEEVE DEVICE SHIELD TERMINATION WITH BRAID	
Unless otherwise specified dimensions are in millimeters. [Inches dimensions are shown in brackets]				DOCUMENT NO.: SO63-XX-01			
TOLERANCES: 0.00 N/A 0.0 N/A 0 N/A	ANGLES: N/A	Tyco Electronics reserves the right to amend this drawing at any time. Users should evaluate the suitability of the product for their application.		DOC. ISSUE: 5		DATE: 5-Aug-03	
	ROUGHNESS IN MICRON			PROD. REV.: SEE TABLE		SCALE: None	
DRAWN BY: M. FORONDA	CAGE CODE: 06090	REPLACES: D982100	DCR NUMBER: D030398	SCALE: None		SIZE: A	SHEET: 1 of 1

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