

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 | | RAYCHEM | | TITLE: SOLDERSLEEVE* DEVICE WITH PRE-INSTALLED LEAD IMMERSION RESISTANT | | | | | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS. INCHES DIMENSIONS ARE BETWEEN BRACKETS. | | | | | | DOCUMENT NO.: SO63-A-55-GA-CL | | | | | |
| 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: 16-Apr-11 | | DOC ISSUE: 8 | | | |
| DRAWN BY: M. FORONDA | | CAGE CODE: 06090 | | REPLACES: D981087 | | DCR NUMBER: D981962 | | PROD. REV.: SEE TABLE | | SCALE: None SIZE: A SHEET: 1 of 1 | |

Print Date: 9-May-11 If this document is printed it becomes uncontrolled. Check for the latest revision.