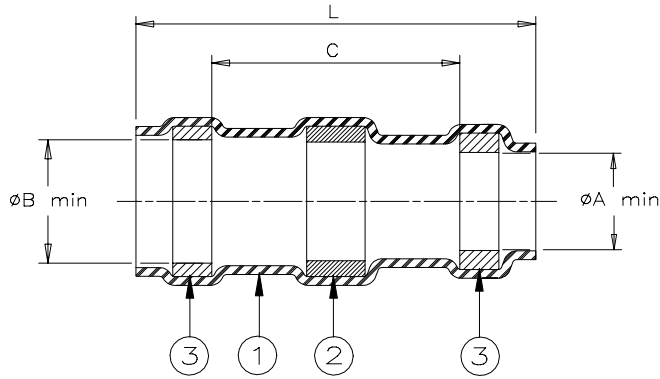


SPECIFICATION CONTROL DRAWING



| Product Revision | | Ident. Code | Product Dimensions | | | | Cable Dimensions | | | |
|------------------|---|-------------|----------------------------------|-----------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------|
| Product Name | | | $L \pm 1.75$ ($L \pm 0.07$) | ϕA min | ϕB min | C min | ϕD max | ϕE max | ϕF min | ϕG min |
| SO63-1-00 | E | SO631R | 16.5 (0.650) | 1.90 (0.075) | 2.65 (0.105) | 8.25 (0.325) | 1.90 (0.075) | 2.65 (0.105) | 0.90 (0.035) | 0.50 (0.020) |
| SO63-2-00 | E | SO632R | 16.5 (0.650) | 2.65 (0.105) | 3.68 (0.145) | 8.25 (0.325) | 2.65 (0.105) | 3.68 (0.145) | 1.40 (0.055) | 0.75 (0.030) |
| SO63-3-00 | E | SO633R | 16.5 (0.650) | 4.30 (0.170) | 5.08 (0.200) | 8.25 (0.325) | 4.30 (0.170) | 5.08 (0.200) | 2.15 (0.085) | 1.25 (0.050) |
| SO63-4-00 | E | SO634R | 19.1 (0.750) | 5.95 (0.235) | 6.45 (0.255) | 8.25 (0.325) | 5.95 (0.235) | 6.45 (0.255) | 3.30 (0.130) | 1.80 (0.070) |
| SO63-5-00 | E | SO635R | 19.1 (0.750) | 7.00 (0.275) | 7.60 (0.300) | 8.25 (0.325) | 7.00 (0.275) | 7.60 (0.300) | 4.30 (0.170) | 2.50 (0.100) |

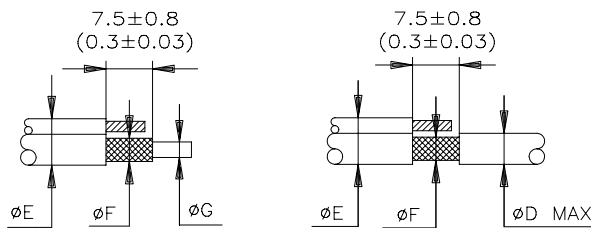
MATERIALS

- 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: Environment resistant thermoplastic. Color: blue.

APPLICATION

- These parts are designed to provide an environment resistant shield terminations on cables, rated for 125°C minimum, meeting the dimensional criteria listed, having tin or silver plated shields and insulation compatible with the insert material. For compatible insulations, see MIL-S-83519/1 or consult Raychem.
- When installed per Raychem process standard RCPS-100-70, assemblies will meet requirements of Raychem Specification RT-1404 and MIL-S-83519.
- Temperature range: -55°C to +150°C.

For best results, prepare the cable as shown:



* A trademark of TycoCorporation.

| | | | | | | | | | | | | |
|--|--|--|--|---|--|---|--|--------------------------|--|----------------|------------|------------------|
| tyco Electronics | | Tyco Electronics Corporation 300 Constitutional Drive Menlo Park, CA 94025 USA | | RAYCHEM | | TITLE: SOLDERSLEEVE* SHIELD TERMINATOR, IMMERSION RESISTANT | | | | | | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS. INCHES DIMENSIONS ARE BETWEEN BRACKETS. | | | | | | DOCUMENT NO.: SO63-X-00 | | | | | | |
| TOLERANCES: 0.00 N/A 0.0 N/A 0 N/A | | ANGLES: N/A ROUGHNESS IN MICRON | | Tyco Corporation reserves the right to amend this drawing at any time. Users should evaluate the suitability of the product for their application. | | DATE: 2-Dec-98 | | DOC ISSUE: 6 | | | | |
| DRAWN BY: M. FORONDA | | CAGE CODE: 06090 | | REPLACES: D981343 | | DCR NUMBER: D981964 | | PROD. REV.: SEE TABLE | | SCALE: None | SIZE: A | SHEET: 1 of 1 |

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