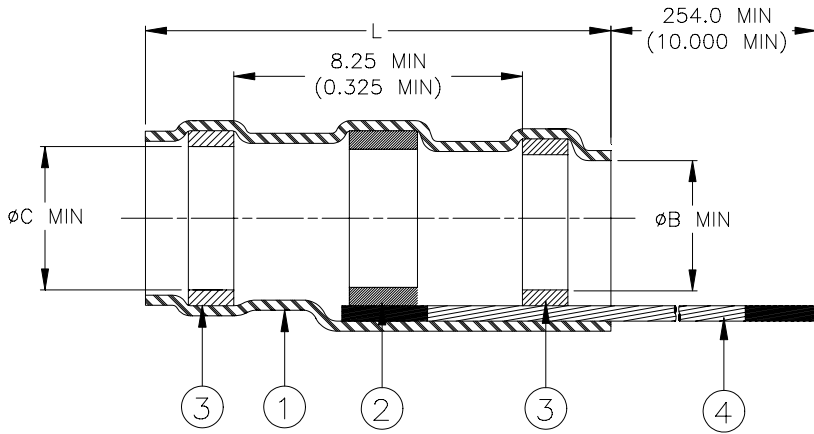


## SPECIFICATION CONTROL DRAWING



| Product Rev.        |     | Ident. Code | Product Dimensions  |                 |                 | Cable Dimensions |                 |                 |                 |
|---------------------|-----|-------------|---------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------|
| Product Name        |     |             | L±1.75<br>(L±0.070) | øB<br>min       | øC<br>min       | øD<br>max        | øE<br>max       | øF<br>min       | øG<br>min       |
| SO63-1-W2-24-00-100 | N/C | SO631R      | 16.50<br>(0.650)    | 1.90<br>(0.075) | 2.65<br>(0.105) | 1.90<br>(0.075)  | 2.65<br>(0.105) | 0.90<br>(0.035) | 0.50<br>(0.020) |
| SO63-2-W2-24-00-100 | N/C | SO632R      | 16.50<br>(0.650)    | 2.65<br>(0.105) | 3.68<br>(0.145) | 2.65<br>(0.105)  | 3.68<br>(0.145) | 1.40<br>(0.055) | 0.75<br>(0.030) |
| SO63-3-W2-24-00-100 | N/C | SO633R      | 16.50<br>(0.650)    | 4.30<br>(0.170) | 5.08<br>(0.200) | 4.30<br>(0.170)  | 5.08<br>(0.200) | 2.15<br>(0.085) | 1.25<br>(0.050) |
| SO63-4-W2-24-00-100 | N/C | SO634R      | 19.10<br>(0.750)    | 5.95<br>(0.235) | 6.45<br>(0.255) | 5.95<br>(0.235)  | 6.45<br>(0.255) | 3.30<br>(0.130) | 1.80<br>(0.070) |
| SO63-5-W2-24-00-100 | N/C | SO635R      | 19.10<br>(0.750)    | 7.00<br>(0.275) | 7.60<br>(0.300) | 7.00<br>(0.275)  | 7.60<br>(0.300) | 4.30<br>(0.170) | 2.50<br>(0.100) |

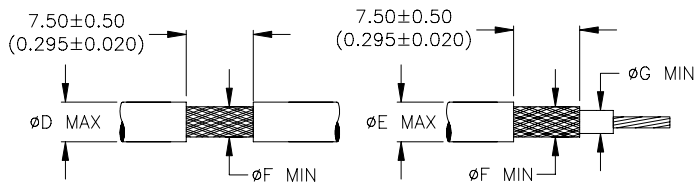
### MATERIALS

- INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked 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: Un-insulated Stranded Silver-plated Copper in accordance with Boeing 5M2409 Specification, AWG 24.

### APPLICATION

- These parts will provide a shield termination assembly when installed in accordance to Raychem RCPS-100-70 on cables rated for at least 125°C, meeting the dimensional criteria listed, having tin or silver plated shields.
- Temperature rating: -55°C to +150°C.
- Parts shall be marked with identification code per table.

For best results, prepare the cable as shown:



“G” is the minimum diameter on which the sleeve will seal.

|   |   |  |                 |  |                      |                  |  |
|---|---|--|-----------------|--|----------------------|------------------|--|
|   |   | <b>Raychem Products</b><br>305 Constitution Drive<br>Menlo Park, CA 94025, USA   |                 | TITLE:<br><b>SOLDERSLEEVE SHIELD TERMINATOR<br/>                 ENVIRONMENT RESISTANT WITH LEAD</b> |                      |                  |  |
| Unless otherwise specified dimensions are in millimeters.<br>Inches dimensions are in between brackets. |   |  |                 | DOCUMENT NO.: <b>SO63-X-W2-24-00-100</b>   |                      |                  |  |
| TOLERANCES:<br>0.00 N/A<br>0.0 N/A<br>0 N/A   | ANGLES: N/A<br><br>ROUGHNESS IN<br>MICRON | Tyco Electronics reserves the right to amend this drawing at any time. Users should evaluate the suitability of the product for their application. |                 | DCR NUMBER:<br>D020447   | REPLACES:<br>D020331 |                  |  |
| PREPARED BY:<br>mforonda  | DATE:<br>9-Oct-02                         | PROD. REV.<br>SEE TABLE  | DOC ISSUE:<br>1 | SCALE:<br>None   | SIZE:<br>A           | SHEET:<br>1 of 1 |  |

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