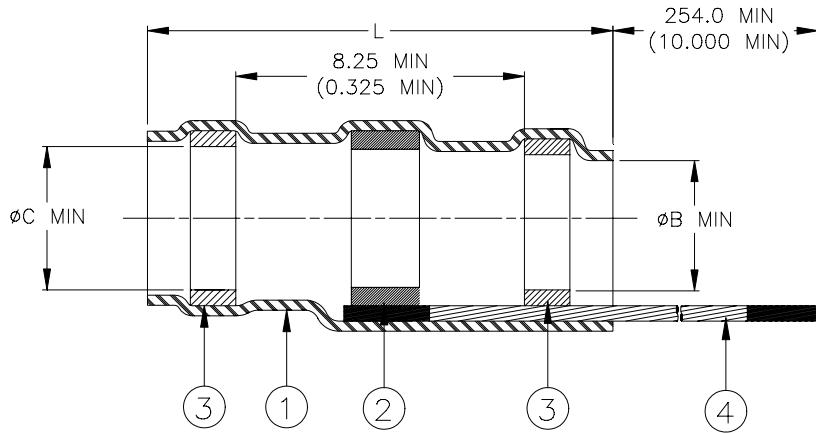


## SPECIFICATION CONTROL DRAWING



| Product Rev.        |     | Ident. Code | Product Dimensions                |                 |                 | Cable Dimensions |                 |                 |                 |
|---------------------|-----|-------------|-----------------------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------|
| Product Name        |     |             | $L \pm 1.75$<br>( $L \pm 0.070$ ) | $\phi B$<br>min | $\phi C$<br>min | $\phi D$<br>max  | $\phi E$<br>max | $\phi F$<br>min | $\phi G$<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) |

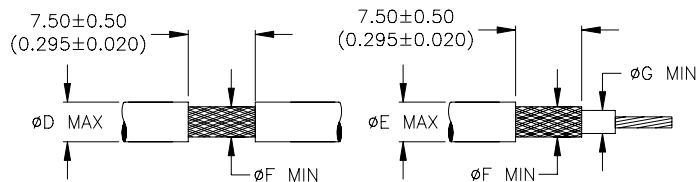
### MATERIALS

- 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.

|                                                                                                         |                                           |                                                                                                                                                             |                         |                                                                                          |                |                      |                  |
|---------------------------------------------------------------------------------------------------------|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|------------------------------------------------------------------------------------------|----------------|----------------------|------------------|
| <div><div><div>tyco</div><div>Electronics</div></div></div>                                             |                                           | <div><div><div>Raychem Products</div><div>305 Constitution Drive<br/>Menlo Park, CA 94025, USA</div></div></div>                                            |                         | <div>TITLE:<br/>SOLDERSLEEVE SHIELD TERMINATOR<br/>ENVIRONMENT RESISTANT WITH LEAD</div> |                |                      |                  |
| Unless otherwise specified dimensions are in millimeters.<br>Inches dimensions are in between brackets. |                                           |                                                                                                                                                             |                         | DOCUMENT NO.: SO63-X-W2-24-00-100                                                        |                |                      |                  |
| 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<br>amend this drawing at any time. Users<br>should evaluate the suitability of the<br>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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