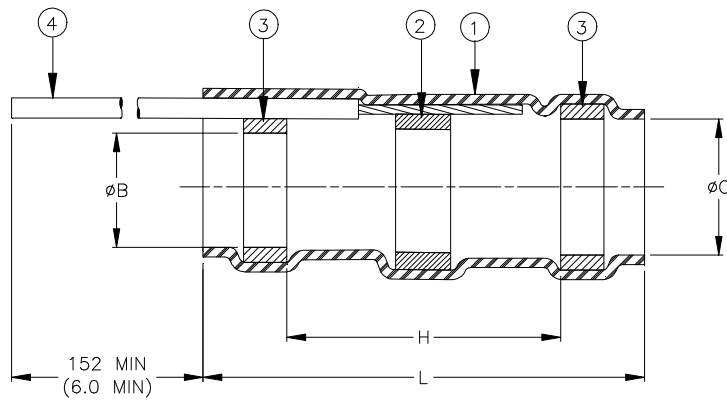


## SPECIFICATION CONTROL DRAWING



| Product Revision |   | Component Dimensions |                                  |                 |                 |                 | Cable Dimensions |                 |                 |                 |
|------------------|---|----------------------|----------------------------------|-----------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------|
| Product Name     |   | Ident. Code          | $L \pm 1.75$<br>( $L \pm 0.07$ ) | $\phi B$<br>min | $\phi C$<br>min | H<br>min        | $\phi D$<br>max  | $\phi E$<br>max | $\phi F$<br>min | $\phi G$<br>max |
| S02-07-R-XX      | * | SIZE2R               | 16.5<br>(0.650)                  | 2.65<br>(0.105) | 3.68<br>(0.140) | 8.25<br>(0.325) | 2.65<br>(0.105)  | 3.68<br>(0.140) | 1.40<br>(0.055) | 0.72<br>(0.030) |
| S02-08-R-XX      | * | SIZE3R               | 16.5<br>(0.650)                  | 4.30<br>(0.170) | 5.08<br>(0.200) | 8.25<br>(0.325) | 4.30<br>(0.170)  | 5.08<br>(0.200) | 2.15<br>(0.085) | 1.25<br>(0.050) |
| S02-10-R-XX      | * | SIZE5R               | 19.1<br>(0.750)                  | 7.00<br>(0.275) | 7.60<br>(0.300) | 8.25<br>(0.325) | 7.00<br>(0.275)  | 7.60<br>(0.300) | 4.30<br>(0.170) | 2.50<br>(0.100) |

\* Consult Raychem for individual product revision. Contains more than 1 part name.

### MATERIALS

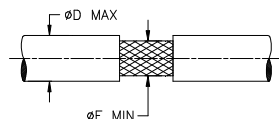
- INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked modified polyvinylidene fluoride.
- SOLDER PREFORM WITH FLUX:  
SOLDER: TYPE Sn63 per ANSI J-STD-006.  
FLUX: TYPE ROL1 per ANSI-J-STD-004.  
THERMAL INDICATOR: Color change violet to colorless.
- MELTABLE RINGS: Thermally stabilized thermoplastic. Color: blue.
- PRE-INSTALLED LEAD: MIL-W-22759/32-22-XX\*. (Raychem 55A0111-22-XX\*)  
\*XX: Part name and lead callout shall be replaced with lead color designation per MIL-STD-681.  
Colors available: solid and with single stripe.

### APPLICATION

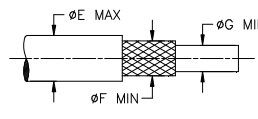
- These parts are designed to provide an environment protected shield termination on cables, rated for 105°C minimum, meeting the dimensional criteria listed and having tin or silver plated shields and insulation compatible with the insert material.  
For compatible insulations, see SAE-AS83519/2 or consult Raychem.
- When installed per Raychem process standard RCPS-100-70, assemblies will meet those requirements of Raychem Specification RT-1404 and SAE-AS83519/2.
- For assembly information, refer to Raychem document RCPS-100-70.
- Parts shall be marked with identification code per table.

For best results, prepare the cable as shown:

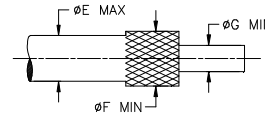
- Strip length of shield: 6.35 – 8.25 (.250 - .325)
- Use methods (a) or (b) with cable rated for 125°C and above. Use method (c) for cables rated for 105°C and cable with spiral wrapped shields.



a) Window Strip



b) End Strip



c) End Strip with Fold Back

|                                                                                                                                            |                                           |                                                                                                                                                            |                         |                                                                                      |                |                      |                  |
|--------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------------------------------------------------------|----------------|----------------------|------------------|
| <br>300 Constitution Drive<br>Menlo Park, CA 94025, USA |                                           | THERMOFIT<br>DEVICES                                                                                                                                       |                         | TITLE:<br><b>SOLDERSLEEVE SHIELD TERMINATION<br/>ENVIRONMENT RESISTANT WITH LEAD</b> |                |                      |                  |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS.<br>INCHES DIMENSIONS ARE BETWEEN BRACKETS.                                       |                                           |                                                                                                                                                            |                         | DOCUMENT NO.: <b>S02-07/-08/-10-R-XX</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 | TE Connectivity reserves the right to amend<br>this drawing at any time. Users should<br>evaluate the suitability of the product for<br>their application. |                         | DCR NUMBER:<br><br>D000419                                                           |                | REPLACES:<br><br>N/A |                  |
| DRAWN BY:<br>M. FORONDA                                                                                                                    |                                           | DATE:<br>27-Sept-00                                                                                                                                        | PROD. REV.<br>SEE TABLE | DOC ISSUE:<br>2                                                                      | SCALE:<br>None | SIZE:<br>A           | SHEET:<br>1 of 1 |

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