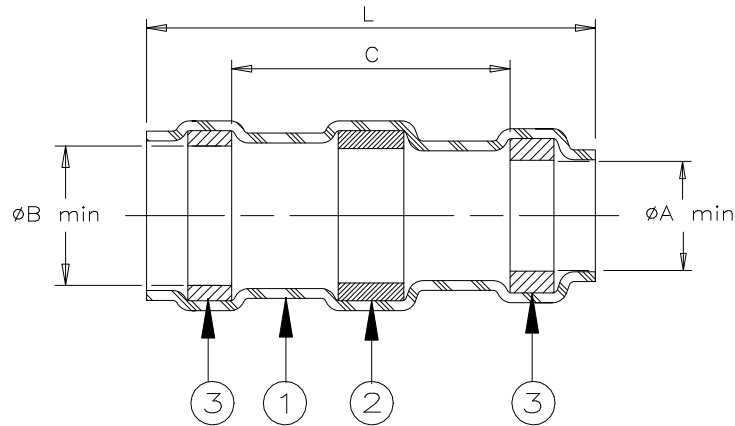


## CUSTOMER DRAWING



| Product Name | Product Dimensions               |                 |                 |                 | Cable Dimensions |                 |                 |                 |
|--------------|----------------------------------|-----------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------|
|              | $L \pm 1.75$<br>( $L \pm 0.07$ ) | $\phi A$<br>min | $\phi B$<br>min | C<br>min        | $\phi D$<br>max  | $\phi E$<br>max | $\phi F$<br>min | $\phi G$<br>min |
| S01-01-R     | 16.5<br>(0.650)                  | 1.90<br>(0.075) | 2.65<br>(0.105) | 8.25<br>(0.325) | 1.90<br>(0.075)  | 2.65<br>(0.105) | 0.90<br>(0.035) | 0.50<br>(0.020) |
| S01-02-R     | 16.5<br>(0.650)                  | 2.65<br>(0.105) | 3.68<br>(0.145) | 8.25<br>(0.325) | 2.65<br>(0.105)  | 3.68<br>(0.145) | 1.40<br>(0.055) | 0.72<br>(0.030) |
| S01-03-R     | 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) |
| S01-04-R     | 19.1<br>(0.750)                  | 5.95<br>(0.235) | 6.45<br>(0.255) | 8.25<br>(0.325) | 5.95<br>(0.235)  | 6.45<br>(0.255) | 3.30<br>(0.130) | 1.80<br>(0.070) |
| S01-05-R     | 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) |

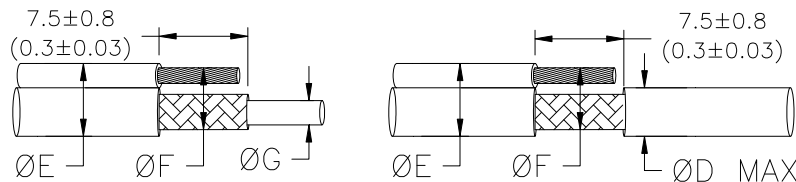
### **MATERIALS**

1. INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked modified polyvinylidene fluoride.
2. 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: Color change: violet to colorless.
3. MELTABLE RINGS: Environment resistant thermoplastic. Color: blue.

### **APPLICATION**

1. These parts are designed to make an environment resistant shield terminations on cables meeting the following criteria:  
 Dimensions: Per table. Jacket rating: 125°C.  
 Shield plating: Tin or silver. Jacket material: See M83519/1 or consult Tyco Electronics/Raychem.
2. Parts are qualified to M83519/1.
3. For assembly information, refer to Raychem document RCPS-100-70.

For best results, prepare the cable as shown:



\* A trademark of TE Connectivity.

|                                                                                                        |                                           |                                                                                                                                                   |                                                                                          |                |                          |
|--------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|----------------|--------------------------|
|                     |                                           |                                                                                                                                                   | TITLE:<br><b>SOLDERSLEEVE* SHIELD TERMINATOR,<br/>IMMERSION RESISTANT, MIL-S-83519/1</b> |                |                          |
|                                                                                                        |                                           |                                                                                                                                                   | DOCUMENT NO.:<br><b>S01-0X-R</b>                                                         |                |                          |
| Unless otherwise specified dimensions are in millimeters.<br>[Inches dimensions are shown in brackets] |                                           | Raychem Devices                                                                                                                                   |                                                                                          |                |                          |
| TOLERANCES:<br>0.00 N/A<br>0.0 N/A<br>0 N/A                                                            | ANGLES: N/A<br><br>ROUGHNESS<br>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. |                                                                                          | REV:<br><br>E3 | DATE:<br><br>12-Jun-2017 |
| REVISED BY:<br>UNGUYEN                                                                                 | CAGE CODE:<br>06090                       | ECO NUMBER:<br>ECO-17-008493                                                                                                                      | SCALE:<br><br>NTS                                                                        | SIZE:<br><br>A | SHEET:<br><br>1 of 1     |