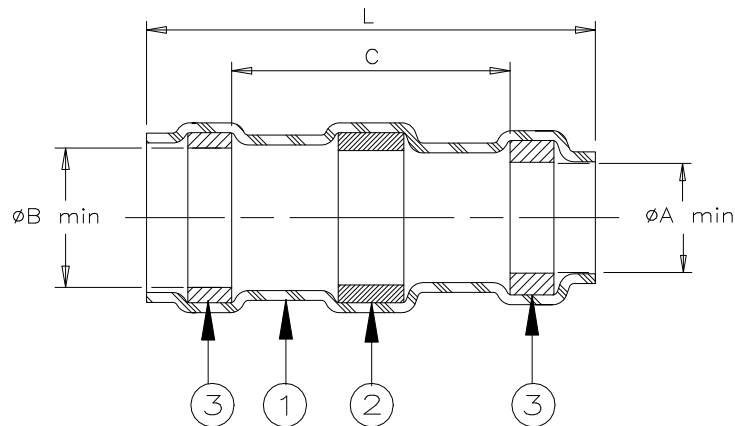


## CUSTOMER DRAWING



| Product Name | Product Dimensions |                 |                 |                 | Cable Dimensions |                 |                 |                 |
|--------------|--------------------|-----------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------|
|              | L±1.75<br>(L±0.07) | øA<br>min       | øB<br>min       | C<br>min        | øD<br>max        | øE<br>max       | øF<br>min       | øG<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) |

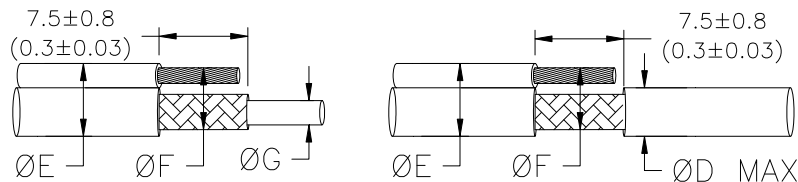
### MATERIALS

- 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: Color change: violet to colorless.
- MELTABLE RINGS: Environment resistant thermoplastic. Color: blue.

### APPLICATION

- 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.
- Parts are qualified to M83519/1.
- 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> |                             |                         |
| Unless otherwise specified dimensions are in millimeters.<br>[Inches dimensions are shown in brackets] |   | Raychem Devices   | DOCUMENT NO.:<br><b>S01-0X-R</b>   |                             |                         |
| 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><b>E3</b>  | DATE:<br><b>12-Jun-2017</b> |                         |
| REVISED BY:<br><b>UNGUYEN</b>  | CAGE CODE:<br><b>06090</b>                | ECO NUMBER:<br><b>ECO-17-008493</b>   | SCALE:<br><b>NTS</b>   | SIZE:<br><b>A</b>           | SHEET:<br><b>1 of 1</b> |

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[M83519/1-5](#)