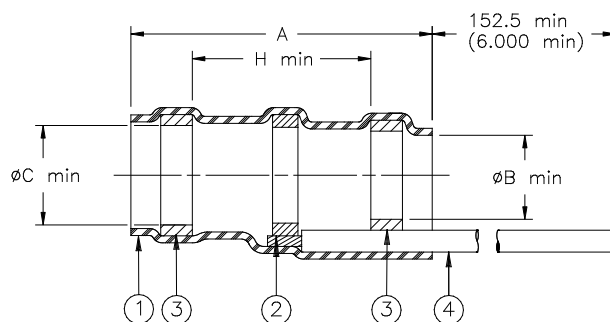


## CUSTOMER DRAWING



| Product Name |          |          |          | Product Dimensions |                 |                 |                 | Cable Dimensions |                 |                 |                 |                   |
|--------------|----------|----------|----------|--------------------|-----------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------|-------------------|
| 20 AWG       | 22 AWG   | 24 AWG   | 26 AWG   | A±1.75<br>(A±0.07) | Ø B<br>min      | Ø C<br>min      | H<br>min        | Ø E<br>max       | Ø F<br>min      | Ø G<br>min      | Ø D<br>max      | J±0.5<br>(J±0.02) |
| S02-01-R     | S02-06-R | S02-11-R | S02-16-R | 16.5<br>(0.650)    | 1.90<br>(0.075) | 2.65<br>(0.105) | 8.25<br>(0.325) | 2.65<br>(0.105)  | 0.90<br>(0.035) | 0.50<br>(0.020) | 1.90<br>(0.075) | 7.5<br>(0.295)    |
| S02-02-R     | S02-07-R | S02-12-R | S02-17-R | 16.5<br>(0.650)    | 2.65<br>(0.105) | 3.68<br>(0.145) | 8.25<br>(0.325) | 3.68<br>(0.145)  | 1.40<br>(0.055) | 0.75<br>(0.030) | 2.65<br>(0.105) | 7.5<br>(0.295)    |
| S02-03-R     | S02-08-R | S02-13-R | S02-18-R | 16.5<br>(0.650)    | 4.30<br>(0.170) | 5.08<br>(0.200) | 8.25<br>(0.325) | 5.08<br>(0.200)  | 2.15<br>(0.085) | 1.25<br>(0.050) | 4.30<br>(0.170) | 7.5<br>(0.295)    |
| S02-04-R     | S02-09-R | S02-14-R | S02-19-R | 19.1<br>(0.750)    | 5.95<br>(0.235) | 6.45<br>(0.255) | 8.25<br>(0.325) | 6.45<br>(0.255)  | 3.30<br>(0.130) | 1.80<br>(0.070) | 5.95<br>(0.235) | 7.5<br>(0.295)    |
| S02-05-R     | S02-10-R | S02-15-R | S02-20-R | 19.1<br>(0.750)    | 7.00<br>(0.275) | 7.60<br>(0.300) | 8.25<br>(0.325) | 7.60<br>(0.300)  | 4.30<br>(0.170) | 2.50<br>(0.100) | 7.00<br>(0.275) | 7.5<br>(0.295)    |

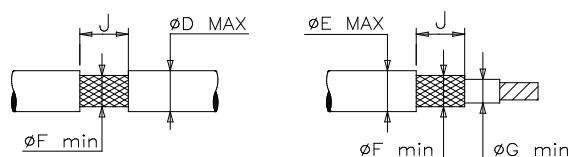
### MATERIALS

- 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: Color change: violet to colorless.
- MELTABLE RING: Environment resistant thermoplastic. Color: blue.
- GROUND LEAD: MIL-W-22759/32-AA-90 lead gauge per table.

### APPLICATION

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

For best results, prepare the cable as shown:



|                                                                                                        |                                                          |                                                                                                                                                                      |                          |                                                                                                 |                                  |                             |
|--------------------------------------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------|
|                     |                                                          | <b>Raychem<br/>DEVICES</b>                                                                                                                                           |                          | <b>TITLE:</b><br><b>SOLDERSLEEVE* SHIELD TERMINATOR,<br/>IMMERSION RESISTANT, MIL-S-83519/2</b> |                                  |                             |
| Unless otherwise specified dimensions are in millimeters.<br>[Inches dimensions are shown in brackets] |                                                          |                                                                                                                                                                      |                          | DOCUMENT NO.:<br><b>S02-XX-R</b>                                                                |                                  |                             |
| <b>TOLERANCES:</b><br>0.00 N/A<br>0.0 N/A<br>0 N/A                                                     | <b>ANGLES:</b> N/A<br><br><b>ROUGHNESS IN<br/>MICRON</b> | <b>TE Connectivity reserves the right to<br/>amend this drawing at any time. Users<br/>should evaluate the suitability of the<br/>product for their application.</b> |                          | <b>REV :</b><br><br>5                                                                           | <b>DATE :</b><br><br>30-Mar-2020 |                             |
| <b>PREPARED BY:</b><br>M. FORONDA                                                                      | <b>CAGE CODE:</b><br>06090                               | <b>ECO:</b><br>ECO-20-004510                                                                                                                                         | <b>SCALE:</b><br><br>NTS |                                                                                                 | <b>SIZE:</b><br><br>A            | <b>SHEET:</b><br><br>1 of 1 |

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