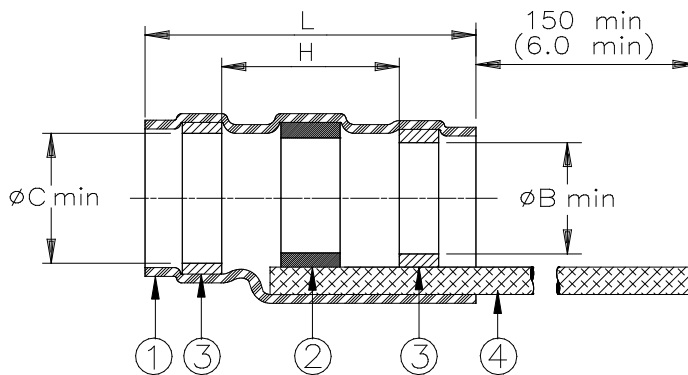


## CUSTOMER DRAWING



| Product Name | Component Dimensions |                 |              |              |              | Shall Accommodate Cable with Dimensions |              |              |
|--------------|----------------------|-----------------|--------------|--------------|--------------|---|--------------|--------------|
|              | Ident. Code          | L±1.75 (L±0.07) | øB min       | øC min       | H min        | øE max                                  | øF min       | øD max       |
| SO96-1-01    | SO961R               | 16.5 (0.650)    | 1.90 (0.070) | 2.65 (0.105) | 8.25 (0.325) | 2.65 (0.105)                            | 0.90 (0.035) | 1.9 (0.075)  |
| SO96-2-01    | SO962R               | 16.5 (0.650)    | 2.65 (0.105) | 3.55 (0.140) | 8.25 (0.325) | 3.55 (0.140)                            | 1.40 (0.055) | 2.65 (0.105) |
| SO96-3-01    | SO963R               | 16.5 (0.650)    | 4.30 (0.170) | 5.00 (0.195) | 8.25 (0.325) | 5.00 (0.195)                            | 2.15 (0.085) | 4.30 (0.170) |
| SO96-4-01    | SO964R               | 19.7 (0.775)    | 5.95 (0.235) | 6.45 (0.255) | 8.25 (0.325) | 6.45 (0.255)                            | 3.30 (0.130) | 5.95 (0.235) |
| SO96-5-01    | SO965R               | 19.7 (0.775)    | 7.00 (0.277) | 7.6 (0.300)  | 8.25 (0.325) | 7.6 (0.300)                             | 4.30 (0.170) | 7.00 (0.277) |

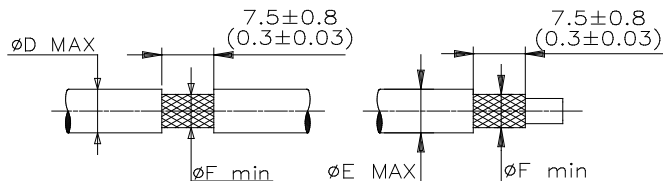
### MATERIALS

- INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked modified polyvinylidene fluoride.
- SOLDER PREFORM WITH FLUX AND THERMAL INDICATOR:  
 SOLDER: TYPE Sn96 per ANSI-J-STD-006.  
 FLUX: TYPE ROM1 per ANSI-J-STD-004.  
 THERMAL INDICATOR: color change orange to colorless.
- MELTABLE RINGS: Stabilized thermoplastic. Color:blue.
- PRE-INSTALLED BRAID: Nickel plated copper strands. CMA 640.


### APPLICATION

- These parts are designed to provide an environment protected shield termination on cables, rated for 150°C minimum, meeting the dimensional criteria listed, having nickel plated shields.
- Temperature range: -55°C to +175°C.  
 Install using TE Connectivity-approved convection or infrared heating tools in accordance with Raychem process standard RCPS-100-70.  
 Infrared tools are not recommended for use with black jackets.

For best results, prepare the cable as shown:



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|  |  |                                    |  |   |            |                                  |
|--|--|------------------------------------|--|---|------------|----------------------------------|
|                   |  | <b>RAYCHEM</b>                     |  | <b>TITLE: SOLDER SLEEVE DEVICE<br/>SHIELD TERMINATION WITH BRAID<br/>HIGH TEMPERATURE</b>   |            |                                  |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS.<br>INCHES DIMENSIONS ARE BETWEEN BRACKETS. |  |                                    |  | DOCUMENT NO.: <b>SO96-X-01</b>  |            |                                  |
| TOLERANCES:<br>0.00 N/A<br>0.0 N/A<br>0 N/A  |  | ANGLES: N/A<br>ROUGHNESS 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. |            | Revision:<br><b>4</b>            |
| DRAWN BY:<br><b>M. FORONDA</b>   |  | CAGE CODE:<br><b>06090</b>         |  | DATE:<br><b>June 29, 1998</b>   |            | Issue Date:<br><b>April 2020</b> |
| ECO: <b>ECO-20-004961</b>  |  |                                    |  | SCALE:<br>None  | SIZE:<br>A | SHEET:<br>1 of 1                 |