

## SPECIFICATION CONTROL DRAWING



| Product Revision |   | Component Dimensions |                     |                 |                 |                 | Shall Accommodate Cable with Dimensions |                 |                 |
|------------------|---|----------------------|---------------------|-----------------|-----------------|-----------------|---|-----------------|-----------------|
| Product Name     |   | Ident. Code          | L±1.75<br>(L±0.070) | øB<br>min       | øC<br>min       | H<br>min        | øE<br>max                               | øF<br>min       | øD<br>max       |
| S03-01-R         | D | S0301R               | 16.50<br>(0.650)    | 1.90<br>(0.070) | 2.65<br>(0.105) | 8.25<br>(0.325) | 2.65<br>(0.105)                         | 0.90<br>(0.035) | 1.90<br>(0.075) |
| S03-02-R         | D | S0302R               | 16.50<br>(0.650)    | 2.65<br>(0.105) | 3.68<br>(0.145) | 8.25<br>(0.325) | 3.68<br>(0.140)                         | 1.40<br>(0.055) | 2.65<br>(0.105) |
| S03-03-R         | D | S0303R               | 16.50<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) | 4.30<br>(0.170) |
| S03-04-R         | D | S0304R               | 19.10<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) | 5.95<br>(0.235) |
| S03-05-R         | D | S0305R               | 19.10<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) | 7.00<br>(0.275) |

### 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: Stabilized thermoplastic. Color: blue.
- PRE-INSTALLED BRAID: Tin-plated copper strands. CMA 640.



### APPLICATION

- These parts are designed to provide an environment protected shield termination on cables, rated for 125°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 MIL-S-83519/2 or consult TE Connectivity/Raychem.
- When installed per TE Connectivity /Raychem process standard RCPS-100-70, assemblies will meet those requirements of TE Connectivity /Raychem Specification RT-1404 and MIL-S-83519/2, which do not require electrical testing while parts are immersed in water.
- Temperature range: -55°C to +150°C.
- Parts shall be marked with identification code per table.

For best results, prepare the cable as shown:



SolderSleeve is a trademark of TE Connectivity.

|  |  |   |                      |  |                                      |   |                          |                  |                    |
|--|--|---|----------------------|--|--------------------------------------|---|--------------------------|------------------|--------------------|
|                     |  | TE Connectivity<br>300 Constitution Drive,<br>Menlo Park, CA. 94025, U.S.A. |                      |   |                                      | TITLE:<br><b>SOLDERSLEEVE DEVICES SHIELD<br/>                 TERMINATION WITH PRE-INSTALLED<br/>                 BRAID</b> |                          |                  |                    |
| Unless otherwise specified dimensions are in millimeters.<br>[Inches dimensions are shown in brackets] |  |   |                      |  | DOCUMENT NO.:<br><b>S03-01/-05-R</b> |   |                          |                  |                    |
| TOLERANCES:<br>0.00 N/A<br>0.0 N/A<br>0 N/A  |  | ANGLES: N/A<br>ROUGHNESS IN<br>MICRON                                       |                      | TE Connectivity reserves the right to amend<br>this drawing at any time. Users should evaluate<br>the suitability of the product for their<br>application. |                                      |   | PROD. REV.:<br>SEE TABLE | DOC. ISSUE:<br>5 | DATE:<br>15-Apr-11 |
| DRAWN BY:<br>M. FORONDA  |  | CAGE CODE:<br>06090   | REPLACES:<br>D982098 | DCR NUMBER:<br>D030251   | SCALE:<br>None                       |   | SIZE:<br>A               | SHEET:<br>1 of 1 |                    |

Print Date: 9-May-11 If this document is printed it becomes uncontrolled. Check for the latest revision.

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