

SPECIFICATION CONTROL DRAWING



| Product Name | | | | | | Product Dimensions | | | | Cable Dimensions | | | | |
|--------------|--------------|--------------|--------------|--------------|--------------|--------------------|-----------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------|-------------------|
| Product Rev. | Product Rev. | Product Rev. | Product Rev. | Product Rev. | Product Rev. | A±1.75 (A±0.07) | øB min | øC min | H min | øE max | øF min | øG min | øD max | J±0.5 (J±0.02) |
| 20 AWG | 22 AWG | 24 AWG | 26 AWG | 26 AWG | 26 AWG | | | | | | | | | |
| S02-01-R | D | S02-06-R | D | S02-11-R | D | 16.5 (0.650) | 1.90 (0.075) | 2.65 (0.105) | 8.25 (0.325) | 2.65 (0.105) | 0.90 (0.035) | 0.50 (0.020) | 1.90 (0.075) | 7.5 (0.295) |
| S02-02-R | D | S02-07-R | D | S02-12-R | D | 16.5 (0.650) | 2.65 (0.105) | 3.68 (0.145) | 8.25 (0.325) | 3.68 (0.145) | 1.40 (0.055) | 0.75 (0.030) | 2.65 (0.105) | 7.5 (0.295) |
| S02-03-R | D | S02-08-R | D | S02-13-R | D | 16.5 (0.650) | 4.30 (0.170) | 5.08 (0.200) | 8.25 (0.325) | 5.08 (0.200) | 2.15 (0.085) | 1.25 (0.050) | 4.30 (0.170) | 7.5 (0.295) |
| S02-04-R | D | S02-09-R | D | S02-14-R | D | 19.1 (0.750) | 5.95 (0.235) | 6.45 (0.255) | 8.25 (0.325) | 6.45 (0.255) | 3.30 (0.130) | 1.80 (0.070) | 5.95 (0.235) | 7.5 (0.295) |
| S02-05-R | D | S02-10-R | D | S02-15-R | D | 19.1 (0.750) | 7.00 (0.275) | 7.60 (0.300) | 8.25 (0.325) | 7.60 (0.300) | 4.30 (0.170) | 2.50 (0.100) | 7.00 (0.275) | 7.5 (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 Raychem.
- Parts are qualified to M83519/2.
- For assembly information, refer to Raychem document RCPS-100-70.

For best results, prepare the cable as shown:



* A trademark of TE Connectivity.

| | | | | | | | | | | | | | | | |
|--|--|---|--|---|--|---|--|--------------------------|--|----------------|--|------------|--|------------------|--|
| | | TE Connectivity 300 Constitutional Drive Menlo Park, CA 94025 USA | | RAYCHEM | | TITLE: SOLDERSLEEVE* SHIELD TERMINATOR, IMMERSION RESISTANT, MIL-S-83519/2 | | | | | | | | | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS. INCHES DIMENSIONS ARE BETWEEN BRACKETS. | | | | | | DOCUMENT NO: S02-XX-R | | | | | | | | | |
| TOLERANCES: 0.00 N/A 0.0 N/A 0 N/A | | ANGLES: N/A 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. | | DATE: 16-Apr-11 | | DOC ISSUE: 4 | | | | | | | |
| DRAWN BY: M. FORONDA | | CAGE CODE: 06090 | | REPLACES: D970095 | | DCR NUMBER: D981342 | | PROD. REV.: SEE TABLE | | SCALE: None | | SIZE: A | | SHEET: 1 of 1 | |

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