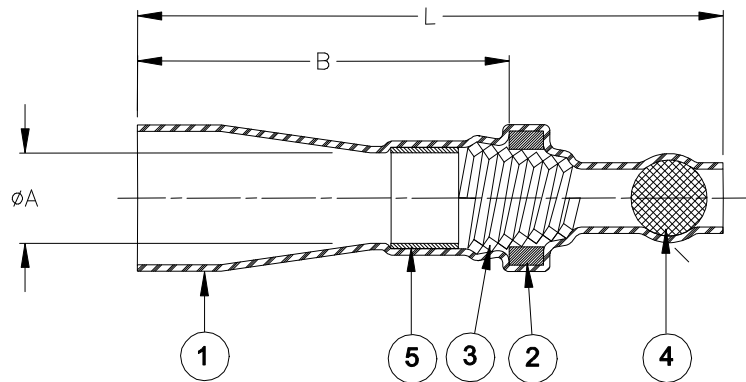


SPECIFICATION CONTROL DRAWING



| Product Name | Ball Color | Product Dimensions | | | Copper Cross Section | | Bundle Diameter | |
|--------------|------------|----------------------------------|--|---|-----------------------------|-----------------------------|-----------------|-------------------------------|
| | | $L \pm 3.5$ ($L \pm 0.140$) | ϕA | B | Min. mm^2 (CMA) | Max. mm^2 (CMA) | ϕD max | $M \pm 1$ ($M \pm 0.04$) |
| SGRS-1 | Green | 38.3 (1.510) | $3.6 + 0.4/-0.2$ ($0.140 + 0.016/-0.008$) | 26.0 ± 2.0 (1.025 ± 0.079) | 0.7 (1400) | 2.4 (4800) | 3.3 (0.130) | 15.0 (0.590) |
| SGRS-2 | Red | 37.7 (1.485) | $5.0 + 0.7/-0.2$ ($0.200 + 0.028/-0.008$) | 23.5 ± 2.0 (0.925 ± 0.079) | 2.0 (4000) | 4.0 (8000) | 4.5 (0.175) | 15.0 (0.590) |
| SGRS-3 | Blue | 45.5 (1.790) | $7.5 + 0.9/-0.2$ ($0.295 + 0.035/-0.008$) | 26.5 ± 2.0 (1.045 ± 0.079) | 3.5 (7000) | 8.0 (16000) | 7.0 (0.275) | 15.0 (0.590) |
| SGRS-4 | Yellow | 45.0 (1.770) | $9.4 + 0.9/-0.3$ ($0.370 + 0.035/-0.012$) | 25.5 ± 3.0 (1.005 ± 0.118) | 7.5 (15000) | 12.0 (24000) | 9.0 (0.350) | 15.0 (0.590) |

These products are tested to RB109.

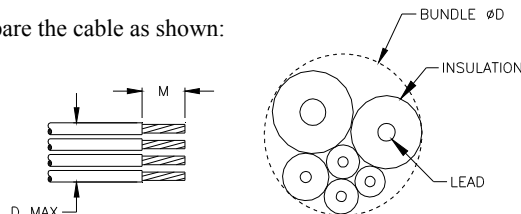
MATERIALS



1. INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked modified polyvinylidene fluoride.
2. SOLDER PREFORM WITH FLUX:
SOLDER: TYPE Sn60 per ANSI-J-STD-006.
FLUX: TYPE ROM1 per ANSI-J-STD-004.
3. CONICAL SPRING: Square copper wire.
4. END CLOSURE BALL: Tinted glass. Color: see table.
5. SEALING INSERT: Hot melt adhesive.

APPLICATION

1. These controlled soldering devices are designed for stub splicing of stranded wires, with bare copper conductors and an insulation rated for 85°C minimum and 125°C continuous maximum.
2. Temperature range: Class 3, -40°C to +125°C.
3. Vibration range: Class 1 (body).
4. Seal range: Class 2 (watertight against immersion). Immersion resistant sealing is dependent on the wire combinations used. The user should test specific wire combinations. Refer to TE Connectivity / Raychem Specification RB109 for procedures.
5. For installation procedure and application equipment, consult RPIP-820-00.

For best results, prepare the cable as shown:



| | | | | | | | | | | | | | |
|--|--|---|--|--|--|--|--|---------------------------|--|-------------------|--|-------------------------|--|
|  | | TE Connectivity 300 Constitution Drive, Menlo Park, CA. 94025, U.S.A. | |  | | TITLE: SOLDERGRIP DEVICE STUB SPLICE | | | | | | | |
| Unless otherwise specified dimensions are in millimeters. [Inches dimensions are shown in brackets] | | | | | | DOCUMENT NO.: SGRS-X | | | | | | | |
| | | | | | | | | | | | | | |
| 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. | | REV.: A1 | | DATE: 16-Apr-11 | | | | | |
| DRAWN BY: P.TALLY | | CAGE CODE: 06090 | | REPLACES: D040187 | | DCR NUMBER: D060343 | | SCALE: NTS | | SIZE: A | | SHEET: 1 of 1 | |

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