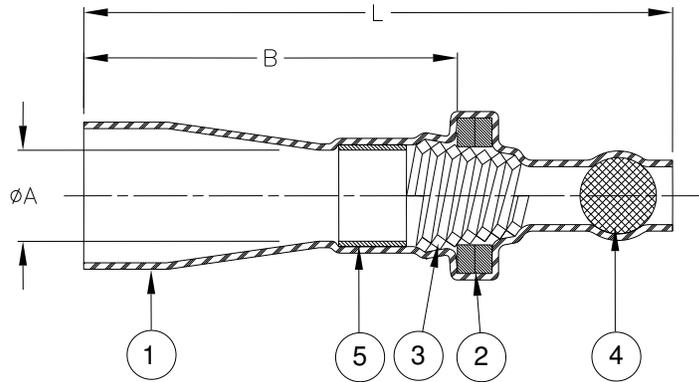


## CUSTOMER DRAWING



Product Name	Ball Color (item 4)	Product Dimensions			Copper Cross Section		Bundle Diameter $\phi D$ max	Qty: Item 2 (Solder)
		$L \pm 3.5$ [ $L \pm 0.140$ ]	$\phi A$	B	Min. $\text{mm}^2$ [CMA]	Max. $\text{mm}^2$ [CMA]		
SGRS-1-58	Green	38.3 [1.510]	$3.6 +0.4/-0.2$ [ $0.140 +0.016/-0.008$ ]	$26.0 \pm 2.0$ [ $1.025 \pm 0.079$ ]	0.7 [1400]	2.4 [4800]	3.3 [0.130]	1
SGRS-2-58	Red	37.7 [1.485]	$5.0 +0.7/-0.2$ [ $0.200 +0.028/-0.008$ ]	$23.5 \pm 2.0$ [ $0.925 \pm 0.079$ ]	2.0 [4000]	4.0 [8000]	4.5 [0.175]	2
SGRS-3-58	Blue	45.5 [1.790]	$7.5 +0.9/-0.2$ [ $0.295 +0.035/-0.008$ ]	$26.5 \pm 2.0$ [ $1.045 \pm 0.079$ ]	3.5 [7000]	8.0 [16000]	7.0 [0.275]	2
SGRS-4-58	Yellow	45.0 [1.770]	$9.4 +0.9/-0.3$ [ $0.370 +0.035/-0.012$ ]	$25.5 \pm 3.0$ [ $1.005 \pm 0.118$ ]	7.5 [15000]	12.0 [24000]	9.0 [0.350]	3

These products are tested to RB109.

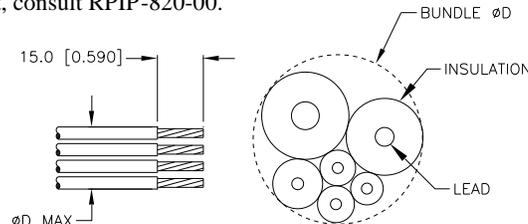
### MATERIALS

- INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked modified polyvinylidene fluoride.
- SOLDER PREFORM WITH FLUX: Qty: see table.  
SOLDER: TYPE Sn42Bi58 per ANSI / J-STD-006.  
FLUX: TYPE ROM1 per ANSI / J-STD-004.
- CONICAL SPRING: Square copper wire.
- END CLOSURE BALL: Tinted glass. Color: see table.
- SEALING INSERT: Hot melt adhesive.

### APPLICATION

- 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.
- Temperature range: Class 3, -40°C to +125°C.
- Vibration range: Class 1 (body).
- 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.
- For installation procedure and application equipment, consult RPIP-820-00.

For best results, prepare the cable as shown:



		<b>Raychem DEVICES</b>		TITLE: <b>SOLDERGRIP DEVICE STUB SEALED SPLICE *</b>			
Unless otherwise specified dimensions are in millimeters. [Inches dimensions are shown in brackets]				DOCUMENT NO.: <b>SGRS-X-58</b>			
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:  C		DATE: 21-Apr-2020	
PREPARED BY: P.TALLY	ECO NUMBER: ECO-20-005249	REPLACES: D060344	CAGE CODE : 06090	SCALE: NTS	SIZE: A	SHEET: 1 of 1	

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