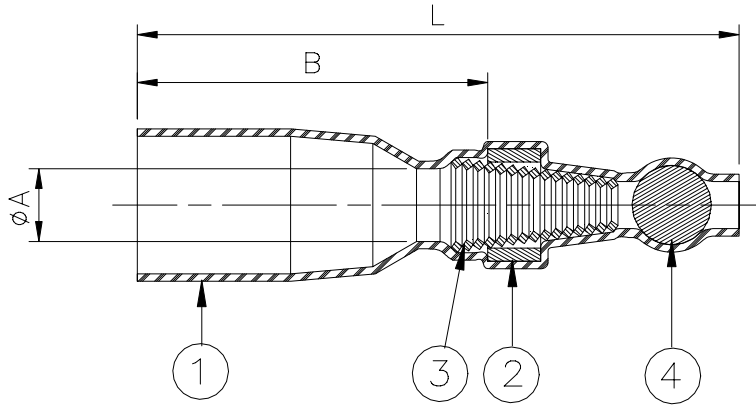


# SPECIFICATION CONTROL DRAWING



Product Revision	Ball Color	Product Dimensions			Copper Cross Section		Bundle $\phi$		
		L $\pm$ 3.5 (L $\pm$ 0.140)	$\phi A$	$\phi B$	Min. mm <sup>2</sup> (CMA)	Max. mm <sup>2</sup> (CMA)	$\phi D$ max	M $\pm$ 1 (M $\pm$ 0.04)	
SGRP-1	C	Green	38.3 (1.510)	3.1 $\pm$ 0.2 (0.125 $\pm$ 0.008)	26.0 $\pm$ 2 (1.025 $\pm$ 0.079)	0.7 (1400)	2.4 (4800)	4.0 (0.160)	15 (0.590)
SGRP-2	C	Red	37.7 (1.485)	3.9 $\pm$ 0.2 (0.155 $\pm$ 0.008)	23.5 $\pm$ 2 (0.925 $\pm$ 0.079)	2.0 (4000)	4.0(8000)	6.0 (0.235)	15 (0.590)
SGRP-3	D	Blue	44.5 (1.750)	5.35 $\pm$ 0.3 (0.210 $\pm$ 0.012)	25.5 $\pm$ 3 (1.00 $\pm$ 0.118)	3.5 (7000)	9.0(18000)	8.5 (0.335)	15 (0.590)
SGRP-4	D	Yellow	45.5 (1.790)	7.15 $\pm$ 0.3 (0.280 $\pm$ 0.012)	25.0 $\pm$ 3 (0.985 $\pm$ 0.118)	7.5 (15000)	15.0(3000)	10.5 (0.410)	15 (0.590)

These products are tested to RB109.

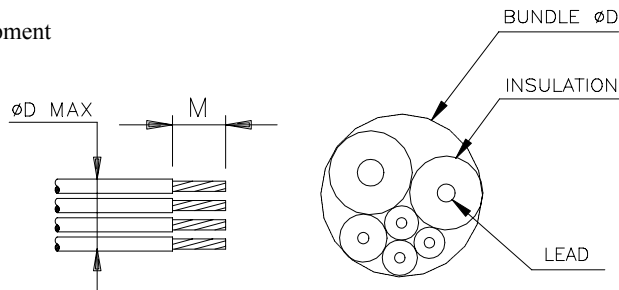
## MATERIALS

- INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked modified polyvinylidene fluoride.
- SOLDER PREFORM WITH FLUX:  
SOLDER: TYPE Sn60 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.

## APPLICATION

- These controlled soldering devices are designed stub splicing of stranded wires with bare copper conductor having an insulation rated for 85°C minimum.
- Temperature range: class 3A, -40°C to +125°C.  
Vibration range: class 1 (body).  
Seal range: class 0 (seal porous or no seal).
- For installation procedure and application equipment consult, RPIP-820-00.

For best results, prepare the cable as shown:



\* A trademark of Tyco Corporation.

<b>tyco</b> Electronics		Tyco Electronics Corporation 300 Constitutional Drive Menlo Park, CA 94025 USA		<b>Raychem</b>		TITLE: <b>SOLDERGRIP* STUB SPLICE</b>	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS. INCHES DIMENSIONS ARE BETWEEN BRACKETS.				DOCUMENT NO.: <b>SGRP-X</b>			
TOLERANCES: 0.00 N/A 0.0 N/A 0 N/A		ANGLES: N/A ROUGHNESS IN MICRON		Tyco reserves the right to amend this drawing at any time. Users should evaluate the suitability of the product for their application.		DATE: April 11, 2002	
DRAWN BY: M. FORONDA		CAGE CODE: 06090		REPLACES: D981339		DCR NUMBER: D020135	
PROD. REV.: SEE TABLE		SCALE: None		SIZE: A		SHEET: 1 of 1	

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