

## CUSTOMER DRAWING



Product Name	Product Dimensions				Cable Dimensions			
	$L \pm 1.75$ ( $L \pm 0.07$ )	$\phi A$ min	$\phi B$ min	$\phi C$ min	$\phi D$ max	$\phi E$ max	$\phi F$ min	$\phi G$ min
S01-01-R	16.5 (0.650)	1.90 (0.075)	2.65 (0.105)	8.25 (0.325)	1.90 (0.075)	2.65 (0.105)	0.90 (0.035)	0.50 (0.020)
S01-02-R	16.5 (0.650)	2.65 (0.105)	3.68 (0.145)	8.25 (0.325)	2.65 (0.105)	3.68 (0.145)	1.40 (0.055)	0.72 (0.030)
S01-03-R	16.5 (0.650)	4.30 (0.170)	5.08 (0.200)	8.25 (0.325)	4.30 (0.170)	5.08 (0.200)	2.15 (0.085)	1.25 (0.050)
S01-04-R	19.1 (0.750)	5.95 (0.235)	6.45 (0.255)	8.25 (0.325)	5.95 (0.235)	6.45 (0.255)	3.30 (0.130)	1.80 (0.070)
S01-05-R	19.1 (0.750)	7.00 (0.275)	7.60 (0.300)	8.25 (0.325)	7.00 (0.275)	7.60 (0.300)	4.30 (0.170)	2.50 (0.100)

### 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: Environment resistant thermoplastic. Color: blue.

### APPLICATION

- These parts are designed to make an environment resistant shield terminations on cables meeting the following criteria:  
 Dimensions: Per table. Jacket rating: 125°C.  
 Shield plating: Tin or silver. Jacket material: See M83519/1 or consult Tyco Electronics/Raychem.
- Parts are qualified to M83519/1.
- For assembly information, refer to Raychem document RCPS-100-70.

For best results, prepare the cable as shown:



\* A trademark of TE Connectivity.

		300 Constitution Dr Menlo Park, CA 94025, U.S.A.	TITLE: <b>SOLDERSLEEVE* SHIELD TERMINATOR, IMMERSION RESISTANT, MIL-S-83519/1</b>		
Unless otherwise specified dimensions are in millimeters. [Inches dimensions are shown in brackets]		Raychem Devices	DOCUMENT NO.: <b>S01-0X-R</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: <b>E1</b>	DATE: <b>12MAY11</b>	
REVISED BY: <b>UNGUYEN</b>	CAGE CODE: <b>06090</b>	ECO NUMBER: <b>ECO-11-005139</b>	SCALE: <b>NTS</b>	SIZE: <b>A</b>	SHEET: <b>1 of 1</b>

© 2011 Tyco Electronics Corporation, a TE Connectivity Ltd. Company. All Rights Reserved.

If this document is printed it becomes uncontrolled. Check for the latest revision.