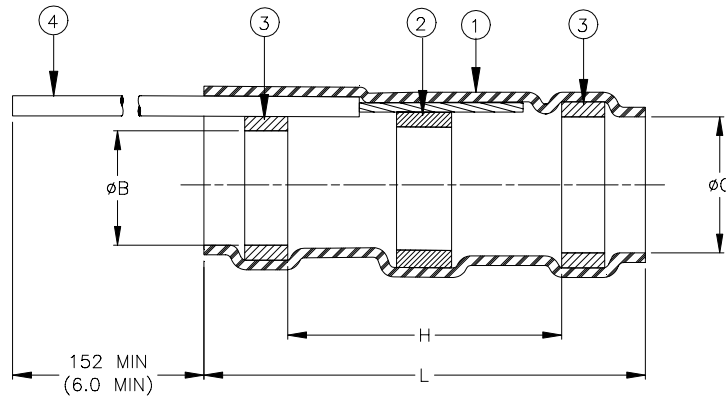


## SPECIFICATION CONTROL DRAWING



Product Revision		Component Dimensions					Cable Dimensions			
Product Name	Ident. Code	$L \pm 1.75$ ( $L \pm 0.07$ )	H min	$\phi B$ min	$\phi C$ min	$\phi D$ max	$\phi E$ max	$\phi F$ min	$\phi G$ max	
S02-17-R-XX	* SZ2A26	16.50 (0.650)	8.25 (0.325)	2.65 (0.105)	3.68 (0.145)	2.65 (0.105)	3.68 (0.145)	1.40 (0.055)	0.72 (0.030)	
S02-18-R-XX	* SZ3A26	16.50 (0.650)	8.25 (0.325)	4.30 (0.170)	5.08 (0.200)	4.30 (0.170)	5.08 (0.200)	2.15 (0.085)	1.25 (0.050)	
S02-20-R-XX	* SZ5A26	19.10 (0.750)	8.25 (0.325)	7.00 (0.275)	7.60 (0.300)	7.00 (0.275)	7.60 (0.300)	4.30 (0.170)	2.50 (0.100)	

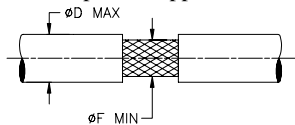
\* Consult Raychem for individual product revision. Contains more than 1 part name.

### MATERIALS

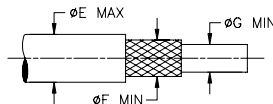
- INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked polyvinylidene fluoride.
- SOLDER PREFORM WITH FLUX AND THERMAL INDICATOR:  
SOLDER: TYPE Sn63 per ANSI J-STD-006.  
FLUX: TYPE ROL1 per ANSI-J-STD-004.  
THERMAL INDICATOR: Color change violet to colorless.
- SEALING RINGS: Environment resistant thermoplastic. Color: blue.
- PRE-INSTALLED LEAD: MIL-W-22759/32-26-XX\*. (Raychem 55A0111-26-XX\*)  
\*XX: Part name and lead callout shall be replaced with lead color designation per MIL-STD-681.  
Colors available: solid and with single stripe.

### APPLICATION

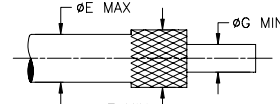
- These parts are designed to provide an environment protected shield termination on cables, rated for 105°C minimum, meeting the dimensional criteria listed and having tin or silver plated shields and insulation compatible with the insert material.  
For compatible insulations, see SAE-AS83519/2 or consult Raychem.
- When installed per Raychem process standard RCPS-100-70, assemblies will meet those requirements of Raychem Specification RT-1404 and SAE-AS83519/2.
- For assembly information, refer to Raychem document RCPS-100-70.
- Parts shall be marked with identification code per table.
- For best results, prepare the cable as shown:
  - Strip length of shield: 6.35 – 8.25 (0.250 - 0.325)
  - Use methods (a) or (b) with cable rated for 125°C and above. Use method (c) for cables rated for 105°C and cable with spiral wrapped shields.



a) Window Strip



b) End Strip



c) End Strip with Fold Back

<b>tyco / Electronics / Raychem</b> 307 Constitution Drive Menlo Park, CA 94025, USA		<b>Wire and Harnessing Products</b>		TITLE: <b>SOLDERSLEEVE SHIELD TERMINATION ENVIRONMENT RESISTANT WITH LEAD</b>					
Unless otherwise specified dimensions are in millimeters. Inches dimensions are in between brackets.				DOCUMENT NO.: <b>S02-17/-18/-20-R-XX</b>					
TOLERANCES: 0.00 N/A 0.0 N/A 0 N/A		ANGLES: N/A ROUGHNESS IN MICRON		Tyco Electronics reserves the right to amend this drawing at any time. Users should evaluate the suitability of the product for their application.		DCR NUMBER: D010447		REPLACES: N/A	
DRAWN BY: M. FORONDA		DATE: July 31, 2001		PROD. REV. SEE TABLE		DOC ISSUE: 1		SCALE: None	
						SIZE: A		SHEET: 1 of 1	

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