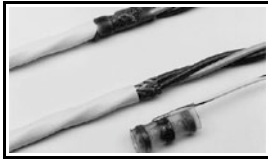


What can we help you find?

## S03-03-R Product Details

[Share](#) | [Print](#) | [Email](#)


**S03-03-R**

TE Internal Number:  
676516-000

 Active

### Shield Terminators

Not EU RoHS or ELV Compliant

### Product Highlights:

- Shield Terminator
- Terminator Type = Solder Sleeve
- Fluid Resistance = Splash Protection
- Cable Temperature Rating = 125 °C
- Jacket Outer Diameter = 5.08 mm

[View all Features](#)

### Quick Links

- ▶ [Pricing & Availability](#)
- ▶ [Search for Tooling](#)
- ▶ [Product Feature Selector](#)
- ▶ [Contact Us About This Product](#)

[Add to My Part List](#)

[Request Sample](#)

[Find Similar Products](#)

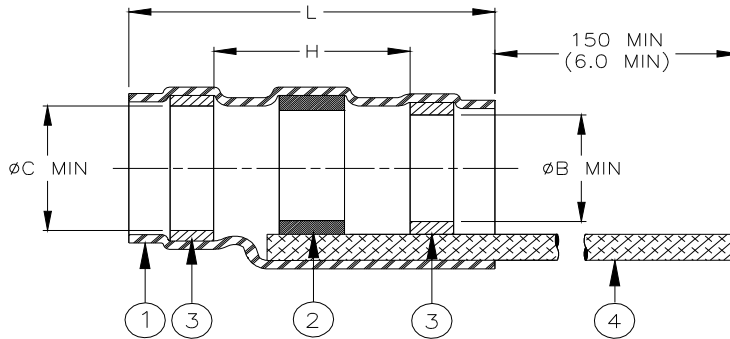
[Buy Product](#)

Documentation & Additional Information	
<p><b>Product Drawings:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">SolderSleeve Devices Shield Termination with Pre-ins...</a> (PDF, English)</li> </ul> <p><b>Catalog Pages/Data Sheets:</b></p> <ul style="list-style-type: none"> <li>• None Available</li> </ul> <p><b>Product Specifications:</b></p> <ul style="list-style-type: none"> <li>• None Available</li> </ul> <p><b>Application Specifications:</b></p> <ul style="list-style-type: none"> <li>• None Available</li> </ul> <p><b>Instruction Sheets:</b></p> <ul style="list-style-type: none"> <li>• None Available</li> </ul> <p><b>CAD Files:</b></p> <ul style="list-style-type: none"> <li>• None Available</li> </ul>	<p><b>Additional Information:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Product Line Information</a></li> </ul> <p><b>Related Products:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Tooling</a></li> </ul>

[List all Documents](#)

Product Features (Please use the Product Drawing for all design activity)	
<p><b>Product Type Features:</b></p> <ul style="list-style-type: none"> <li>• Product Type = Shield Terminator</li> <li>• Preinstalled Lead Wire Size (mm<sup>2</sup> [AWG]) = Braid Strap 640 [CMA 640]</li> </ul> <p><b>Dimensions:</b></p> <ul style="list-style-type: none"> <li>• Length (Max.) (mm [in]) = 16.50 [0.650]</li> <li>• Inside Diameter (mm [in]) = 4.30 [0.170]</li> </ul> <p><b>Body Features:</b></p> <ul style="list-style-type: none"> <li>• Terminator Type = Solder Sleeve</li> <li>• Jacket Outer Diameter (mm [in]) = 5.08 [0.200]</li> </ul> <p><b>Housing Features:</b></p> <ul style="list-style-type: none"> <li>• Shield O.D. (Min.) (mm [in]) = 2.15 [0.085]</li> </ul> <p><b>Configuration Features:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Preinstalled Lead</a> = With</li> <li>• Temperature Indication System = With</li> <li>• Temperature Indication System Type = Thermochromic</li> </ul>	<p><b>Industry Standards:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">RoHS/ELV Compliance</a> = Not ELV/RoHS compliant</li> <li>• <a href="#">Lead Free Solder Processes</a> = Not relevant for lead free process</li> <li>• MIL or NAS Specification (MIL-S-83519) (NAS 1747) = Yes</li> </ul> <p><b>Environmental:</b></p> <ul style="list-style-type: none"> <li>• Fluid Resistance = Splash Protection</li> <li>• Operating Temperature (Max.) (°C) = 150</li> </ul> <p><b>Conditions for Usage:</b></p> <ul style="list-style-type: none"> <li>• <a href="#">Cable Temperature Rating</a> (°C) = 125</li> </ul> <p><b>Other:</b></p> <ul style="list-style-type: none"> <li>• Brand = Raychem</li> </ul>

## SPECIFICATION CONTROL DRAWING



Product Revision		Component Dimensions					Shall Accommodate Cable with Dimensions		
Product Name		Ident. Code	L±1.75 (L±0.070)	øB min	øC min	H min	øE max	øF min	øD max
S03-01-R	D	S0301R	16.50 (0.650)	1.90 (0.070)	2.65 (0.105)	8.25 (0.325)	2.65 (0.105)	0.90 (0.035)	1.90 (0.075)
S03-02-R	D	S0302R	16.50 (0.650)	2.65 (0.105)	3.68 (0.145)	8.25 (0.325)	3.68 (0.140)	1.40 (0.055)	2.65 (0.105)
S03-03-R	D	S0303R	16.50 (0.650)	4.30 (0.170)	5.08 (0.200)	8.25 (0.325)	5.08 (0.200)	2.15 (0.085)	4.30 (0.170)
S03-04-R	D	S0304R	19.10 (0.750)	5.95 (0.235)	6.45 (0.255)	8.25 (0.325)	6.45 (0.255)	3.30 (0.130)	5.95 (0.235)
S03-05-R	D	S0305R	19.10 (0.750)	7.00 (0.275)	7.60 (0.300)	8.25 (0.325)	7.60 (0.300)	4.30 (0.170)	7.00 (0.275)

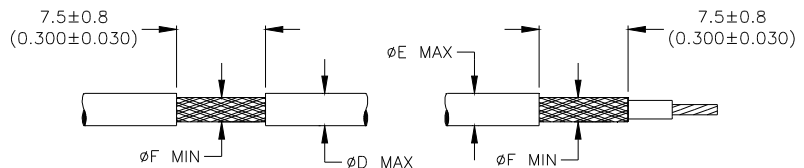
### MATERIALS

- 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: Stabilized thermoplastic. Color: blue.
- PRE-INSTALLED BRAID: Tin-plated copper strands. CMA 640.

### APPLICATION

- These parts are designed to provide an environment protected shield termination on cables, rated for 125°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 MIL-S-83519/2 or consult TE Connectivity/Raychem.
- When installed per TE Connectivity /Raychem process standard RCPS-100-70, assemblies will meet those requirements of TE Connectivity /Raychem Specification RT-1404 and MIL-S-83519/2, which do not require electrical testing while parts are immersed in water.
- Temperature range: -55°C to +150°C.
- Parts shall be marked with identification code per table.

For best results, prepare the cable as shown:



SolderSleeve is a trademark of TE Connectivity.

		TE Connectivity 300 Constitution Drive, Menlo Park, CA. 94025, U.S.A.				TITLE: <b>SOLDERSLEEVE DEVICES SHIELD                  TERMINATION WITH PRE-INSTALLED                  BRAID</b>			
Unless otherwise specified dimensions are in millimeters. [Inches dimensions are shown in brackets]					DOCUMENT NO.: <b>S03-01/-05-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.			PROD. REV.: SEE TABLE	DOC. ISSUE: 5	DATE: 15-Apr-11
DRAWN BY: M. FORONDA		CAGE CODE: 06090	REPLACES: D982098	DCR NUMBER: D030251	SCALE: None		SIZE: A	SHEET: 1 of 1	

Print Date: 9-May-11 If this document is printed it becomes uncontrolled. Check for the latest revision.

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