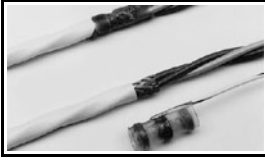


## S096-3-55-22-90 Product Details

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


### S096-3-55-22-90

TE Internal Number:  
216787-000

 Active

#### Shield Terminators

 Always EU RoHS/ELV Compliant (Statement of Compliance)

#### Product Highlights:

- Shield Terminator
- Terminator Type = Solder Sleeve
- Fluid Resistance = Immersion
- Cable Temperature Rating = 150 °C
- Jacket Outer Diameter = 4.30 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

#### Product Drawings:

- [SolderSleeve Device Shield Termination with Leads, H...](#) (PDF, English)

#### Catalog Pages/Data Sheets:

- None Available

#### Product Specifications:

- None Available

#### Application Specifications:

- None Available

#### Instruction Sheets:

- None Available

#### CAD Files:

- None Available

[List all Documents](#)

#### Additional Information:

- [Product Line Information](#)

#### Related Products:

- [Tooling](#)

### Product Features (Please use the Product Drawing for all design activity)

#### Product Type Features:

- Product Type = Shield Terminator
- Preinstalled Lead Wire Size (mm<sup>2</sup> [AWG]) = 0.38 [22]
- Preinstalled Lead Type = 55A0813
- Preinstalled Lead Stranding = Stranded

#### Dimensions:

- Length (Max.) (mm [in]) = 18.25 [0.720]
- Inside Diameter (mm [in]) = 4.30 [0.170]

#### Body Features:

- Terminator Type = Solder Sleeve
- [Jacket Outer Diameter \(mm \[in\]\)](#) = 4.30 [0.169]
- Preinstalled Lead Plating = Nickel

#### Housing Features:

- [Shield O.D. \(Min.\) \(mm \[in\]\)](#) = 2.15 [0.085]

#### Configuration Features:

- [Preinstalled Lead](#) = With

#### Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Not relevant for lead free process
- RoHS/ELV Compliance History = Always was RoHS compliant
- MIL or NAS Specification (MIL-S-83519) (NAS 1747) = No

#### Environmental:

- Fluid Resistance = Immersion
- Operating Temperature (Max.) (°C) = 175

#### Conditions for Usage:

- [Cable Temperature Rating \(°C\)](#) = 150

#### Other:

- Brand = Raychem

- Temperature Indication System = With
- Temperature Indication System Type = Thermochromic

#### Corporate Information

[About TE](#)  
[Investors](#)  
[News Room](#)  
[Supplier Portal](#)  
[Careers](#)  
[Terms & Conditions](#)  
[Privacy Policy](#)

#### Quick Links

[Distributor Inventory](#)  
[Product Cross Reference](#)  
[Documents & Drawings](#)  
[Product Compliance Support Center](#)  
[Site Map](#)

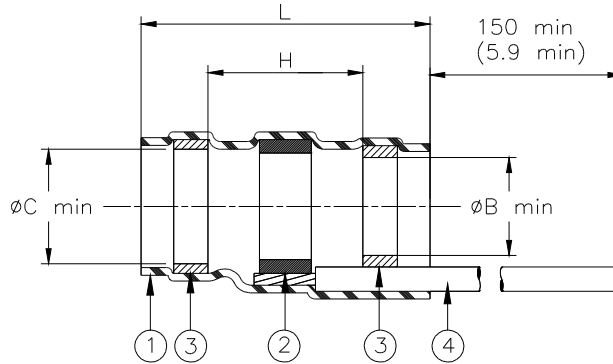
#### Customer Support

[Email or Chat With Us](#)  
[Find a Phone Number](#)  
[Knowledge Base](#)  
[Manage Your Account](#)

#### Keep Me Informed



# SPECIFICATION CONTROL DRAWING



Product Revision		Ident Code	Product Dimensions				Cable Dimensions		
Product Name			$L \pm 1.75$ ( $L \pm 0.075$ )	$\phi B$ min	$\phi C$ min	H min	$\phi E$ max	$\phi F$ min	$\phi D$ max
SO96-1-55-22-90	D	SO961R	16.5 (0.650)	1.90 (0.075)	2.67 (0.105)	8.20 (0.322)	2.67 (0.105)	0.90 (0.035)	1.90 (0.075)
SO96-2-55-22-90	D	SO962R	16.5 (0.650)	2.67 (0.105)	3.68 (0.145)	8.20 (0.322)	3.68 (0.145)	1.40 (0.055)	2.67 (0.105)
SO96-3-55-22-90	D	SO963R	16.5 (0.650)	4.32 (0.170)	5.08 (0.200)	8.20 (0.322)	5.08 (0.200)	2.15 (0.085)	4.32 (0.170)
SO96-4-55-22-90	D	SO964R	19.1 (0.750)	5.97 (0.235)	6.48 (0.255)	8.20 (0.322)	6.48 (0.255)	3.30 (0.130)	5.97 (0.235)
SO96-5-55-22-90	D	SO965R	19.1 (0.750)	6.98 (0.275)	7.62 (0.300)	8.20 (0.322)	7.62 (0.300)	4.30 (0.170)	6.98 (0.275)

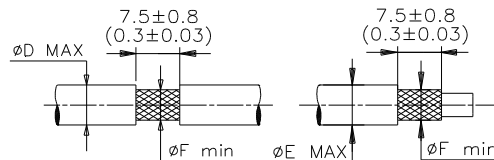
## MATERIALS

- INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked modified polyvinylidene fluoride.
- SOLDER PREFORM WITH FLUX AND THERMAL INDICATOR:  
SOLDER: TYPE Sn96 per ANSI-J-STD-006.  
FLUX: TYPE ROM1 per ANSI-J-STD-004.  
THERMAL INDICATOR: Color change orange to colorless.
- MELTABLE RINGS: Environment resistant thermoplastic. Color: blue.
- PRE-INSTALLED LEAD: Raychem 55A0813-22-90 in accordance with MIL-W-22759/41-22-90 AWG22 stranded nickel plated copper. Color: white stripped black.


## APPLICATION

- These parts are designed to an environment resistant shield termination on cables, rated for 150°C minimum, meeting the dimensional criteria listed, having nickel-plated shields and insulations compatible with the insert material.  
See MIL-S-83519/1 or consult Raychem.
- Temperature range: -55°C to +175°C.
- Parts shall be marked with identification code per table.
- Install using Raychem-approved convection or infra-red heating tools in accordance with Raychem process standard RCPS-100-70. Infrared tools are not recommended for use with black jackets.

For best results, prepare the wire as shown:



\* A trademark of TE Connectivity.

		TE Connectivity 300 Constitutional Drive Menlo Park, CA 94025 USA		RAYCHEM		TITLE: SOLDERSLLEEVE* DEVICE SHIELD TERMINATION WITH LEADS, HIGH TEMPERATURE IMMERSION RESISTANT									
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS. INCHES DIMENSIONS ARE BETWEEN BRACKETS.						DOCUMENT NO.: SO96-X-55-22-90									
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.		DATE:  16-Apr-11		DOC ISSUE:  6							
DRAWN BY: M. FORONDA		CAGE CODE: 06090		REPLACES: D981806		DCR NUMBER: D990981		PROD. REV.: SEE TABLE		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.