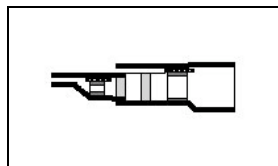


## B-020-22-N Product Details



**B-020-22-N**

### Cable Terminations

Not EU RoHS or ELV Compliant

### Product Highlights:

- Applies To Coaxial Cable
- Coaxial Cable Type (RG/U or Mfg.) = 180, 302, 303
- Jacket Outer Diameter = 6.30 mm
- Dielectric O.D. Max. = 1.40 - 4.30 mm
- Shield O.D. (Min.) = 2.40 - 4.60 mm

TE Internal Number: 284303-000

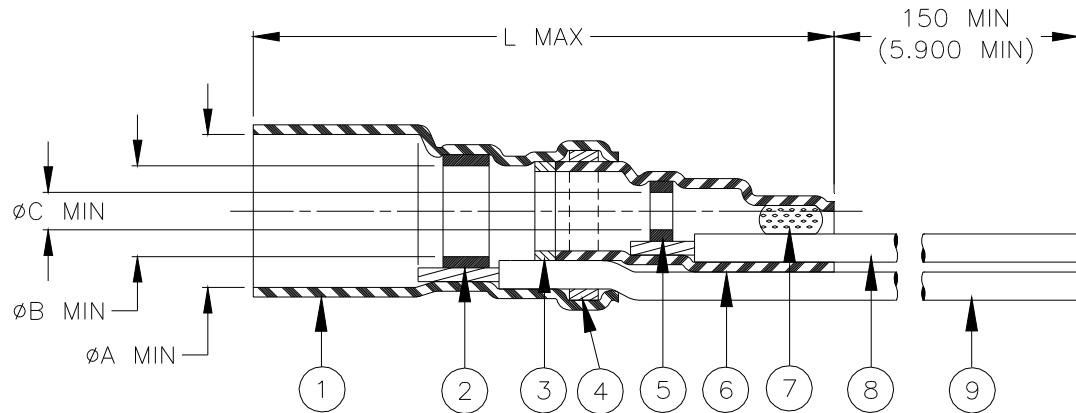


Active

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

Product Features (Please use the Product Drawing for all design activity)	
<b>Product Type Features:</b> <ul style="list-style-type: none"> <li>• Preinstalled Lead Wire Size (mm<sup>2</sup> [AWG]) = 0.38 [22]</li> <li>• Preinstalled Lead Stranding = Stranded</li> <li>• Preinstalled Lead Type = 55A0111</li> </ul> <b>Dimensions:</b> <ul style="list-style-type: none"> <li>• Dielectric O.D. Max. (mm [in]) = 1.40 - 4.30 [0.055 - 0.169]</li> <li>• Conductor Outer Diameter (mm [in]) = 0.30 - 2.80 [0.011 - 0.110]</li> </ul> <b>Body Features:</b> <ul style="list-style-type: none"> <li>• Jacket Outer Diameter (mm [in]) = 6.30 [0.248]</li> <li>• Cable Shield Material = Silver, Tin</li> <li>• Preinstalled Lead Plating = Tin</li> </ul> <b>Housing Features:</b> <ul style="list-style-type: none"> <li>• Shield O.D. (Min.) (mm [in]) = 2.40 - 4.60 [0.094 - 0.181]</li> </ul>	<b>Configuration Features:</b> <ul style="list-style-type: none"> <li>• Coaxial Cable Type (RG/U or Mfg.) = 180, 302, 303</li> </ul> <b>Industry Standards:</b> <ul style="list-style-type: none"> <li>• Government/Industry Qualification = No</li> <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> </ul> <b>Environmental:</b> <ul style="list-style-type: none"> <li>• Operating Temperature (Max.) (°C) = 150</li> </ul> <b>Conditions for Usage:</b> <ul style="list-style-type: none"> <li>• Applies To = Coaxial Cable</li> <li>• Cable Temperature Rating (°C) = 125</li> </ul> <b>Other:</b> <ul style="list-style-type: none"> <li>• Brand = Raychem</li> </ul>

## SPECIFICATION CONTROL DRAWING



Product Revision		Component Dimensions				"GA" Wire Gauge (AWG)	Cable Dimensions				
Product Name		L max	øA min	øB min	øC min		øD	øE	øF min	G±0.5 (G±0.02)	M±0.5 (M±0.02)
B-020-20-N	D	32.0 (1.260)	6.30 (0.250)	4.60 (0.180)	2.80 (0.110)	20	2.40 (0.095) to 6.30 (0.250)	2.30 (0.090) to 4.60 (0.180)	0.30 (0.012)	19.0 (0.750)	6.0 (0.235)
B-020-22-N	D					22					
B-020-24-N	D					24					
B-020-26-N	D					26					

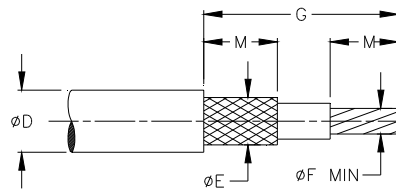
### MATERIALS


1. & 6. INSULATION SLEEVE: Heat-shrinkable, radiation cross-linked modified polyvinylidene fluoride. Transparent blue.
2. & 5. SOLDER PREFORMS WITH FLUX:  
SOLDER: TYPE Sn63 per ANSI J-STD-006.  
FLUX: TYPE ROL1 per ANSI J-STD-004.
- 3., 4. & 7. MELTABLE RINGS: Thermally stabilized thermoplastic.
8. CONDUCTOR LEAD: MIL-W-22759/32-GA-9, AWG "GA" (see table). ETFE insulated, stranded tin plated copper.  
Color: white.
9. GROUND LEAD: MIL-W-22759/32-GA-6, AWG "GA" (see table). ETFE insulated, stranded tin plated copper.  
Color: blue.

### APPLICATION

1. The parts covered by this SCD are for use in terminating the primary conductor and the braided shield of a coaxial cable having tin or silver plated conductor and shield, rated for at least 125° C and meeting the dimensional requirements listed.
2. Parts will meet the requirements of Raychem Specification RT-1404 when installed per Raychem RPIP-500-03.
3. Temperature range: -55°C to +150°C.

For best results, prepare the cable as shown:



		TE Connectivity 305 Constitution Drive Menlo Park, CA 94025, USA		Raychem Products		TITLE: COAXIAL SOLDER SLEEVE DEVICE WITH PRE-INSTALLED STRANDED WIRES							
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS. INCHES DIMENSIONS ARE BETWEEN BRACKETS.						DOCUMENT NO.: B-020-GA-N							
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:  15-Apr-11		DOC ISSUE:  2					
DRAWN BY: M. FORONDA		REPLACES: B020xyn1		PROD. REV. SEE TABLE		DCR NUMBER: D000432		SCALE: None		SIZE: A		SHEET: 1 of 1	

Print Date: 6-May-11 If this document is printed it becomes uncontrolled. Check for the latest revision.