



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

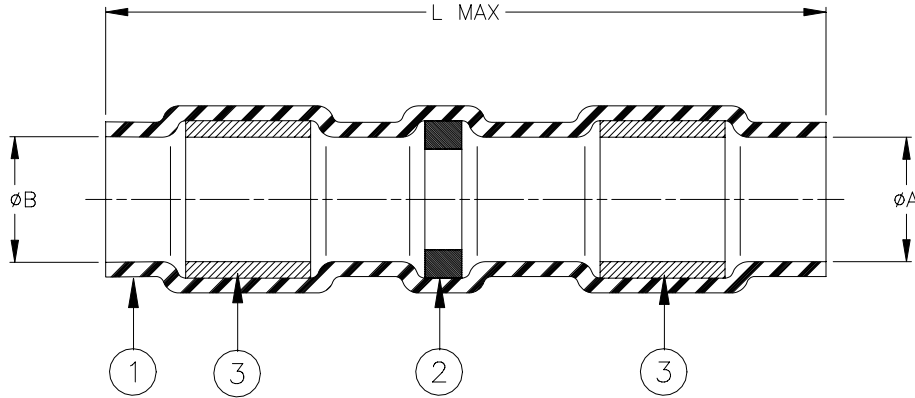
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## SPECIFICATION CONTROL DRAWING



| Product Revision |   | Product Dimensions |                |                | Solder Weight<br>Milligrams | Recovered I.D.<br>max | CMA<br>Range* |
|------------------|---|--------------------|----------------|----------------|-----------------------------|-----------------------|---------------|
| Product<br>Name  |   | L<br>max           | øA<br>min      | øB<br>min      |                             |                       |               |
| D-144-41         | E | 26.8<br>(1.055)    | 1.9<br>(0.075) | 2.4<br>(0.095) | 42±6                        | 1.27<br>(0.050)       | 600 - 1600    |
| D-144-47         | C | 26.8<br>(1.055)    | 3.8<br>(0.150) | 4.5<br>(0.177) | 118±16                      | 2.16<br>(0.085)       | 2800 - 4000   |
| D-144-48         | C | 26.8<br>(1.055)    | 3.8<br>(0.150) | 4.5<br>(0.177) | 176±24                      | 2.16<br>(0.085)       | 3800 - 7500   |

\* Not all combinations of wires equalling listed CMA's will fit in sleeve.  
A and B dimensions are measured through the sealing ring closest to that end.

### MATERIALS

1. INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked polyvinylidene fluoride.
2. SOLDER PREFORM WITH FLUX: (see table for weights)  
SOLDER: TYPE Sn63 per ANSI J-STD-006.  
FLUX: TYPE ROL1 per ANSI J-STD-004.
3. MELTABLE RINGS: Fluorocarbon-based thermoplastic. Color: gray.

### APPLICATION

1. These parts are designed for use in making in-line splices in wires having tin or silver plated conductors and insulations rated for 135°C minimum, meeting the dimensional criteria listed. See table for applicable size ranges.
2. Parts are designed for installation with Raychem-approved infrared heaters. They may also be installed with convection heaters equipped with the correct reflector. The use of a holding fixture will aid in holding the assembly alignment when heating sleeve.
3. Parts will provide environmental protection on splices having no more than 2 wires per side.
4. For ease of inspection, it is recommended that the splice contain no more than 4 wires.
5. All wires are to be stripped 12.7±1.27 (.50±.05) and overlapped under solder preform.

|   |   |  |                                       |                  |
|---|---|--|---------------------------------------|------------------|
| <b>Raychem Interconnect</b><br><small>a division of tyco ELECTRONICS</small><br>300 Constitution Drive<br>Menlo Park, CA 94025, USA |   | THERMOFIT<br>DEVICES   | TITLE:<br><b>SOLDERSLEEVE SPLICE</b>  |                  |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS.<br>INCHES DIMENSIONS ARE BETWEEN BRACKETS.                                |   |  | DOCUMENT NO.: <b>D-144-41/-47/-48</b> |                  |
| TOLERANCES:<br>0.00 N/A<br>0.0 N/A<br>0 N/A   | ANGLES: N/A<br><br>ROUGHNESS IN<br>MICRON | Raychem reserves the right to amend this<br>drawing at any time. Users should evaluate<br>the suitability of the product for their<br>application. | DCR NUMBER:<br>D000420                | REPLACES:<br>N/A |

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