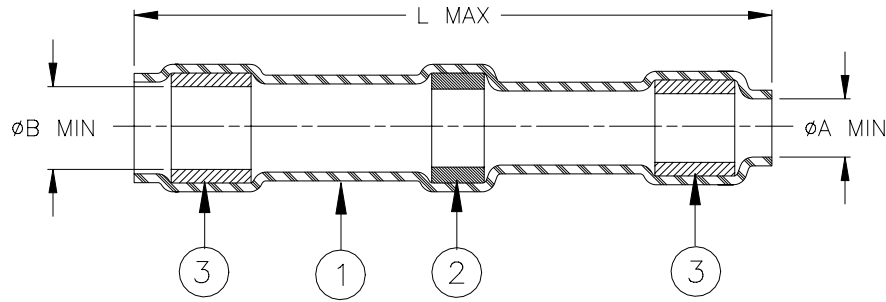


## SPECIFICATION CONTROL DRAWING



| Product Name | Product Dimensions |                 |                 | Wire Dimensions |                 | CMA Range      |
|--------------|--------------------|-----------------|-----------------|-----------------|-----------------|----------------|
|              | L max              | øA min          | øB min          | øD              |                 |                |
|              |                    |                 |                 | max             | min             |                |
| D-1744-01-LF | 30.15<br>[1.187]   | 1.90<br>[0.075] | 2.40<br>[0.095] | 1.90<br>[0.075] | 0.50<br>[0.020] | 350 to 2000    |
| D-1744-02-LF | 30.15<br>[1.187]   | 2.80<br>[0.110] | 3.15<br>[0.125] | 2.80<br>[0.110] | 0.80<br>[0.030] | 2000 to 4000   |
| D-1744-03-LF | 30.15<br>[1.187]   | 4.60<br>[0.180] | 5.10<br>[0.200] | 4.57<br>[0.180] | 1.30<br>[0.050] | 4000 to 10000  |
| D-1744-04-LF | 30.15<br>[1.187]   | 7.11<br>[0.280] | 7.62<br>[0.300] | 7.11<br>[0.280] | 2.00<br>[0.080] | 10000 to 13000 |

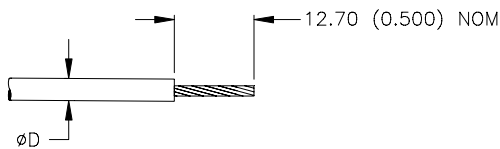
### MATERIALS

1. INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked polyvinylidene fluoride.
2. 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.
3. MELTABLE RINGS: Thermally stabilized thermoplastic. Color: gray.

### APPLICATION

1. These parts are designed to provide an environment resistant in-line splice in wires having Ni-plated conductors and insulation rated for at least 150°C.
2. Temperature range: -55°C to +175°C.
3. Install using Tyco Electronics / Raychem-approved convection or infrared tools in accordance with Tyco Electronics / Raychem installation procedure RPIP-850-00.

For best results, prepare the wire(s) as shown:



|                                                                                                             |  |                                           |                                                                            |                                                                                                                                                    |                                                      |                                   |  |                       |  |            |  |                  |  |
|-------------------------------------------------------------------------------------------------------------|--|-------------------------------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-----------------------------------|--|-----------------------|--|------------|--|------------------|--|
|  <b>Tyco Electronics</b> |  |                                           | Tyco Electronics<br>300 Constitution Dr<br>Menlo Park, CA<br>94025, U.S.A. |                                                                                                                                                    | TITLE:<br><br>SOLDERSLEEVE WIRE SPLICE,<br>LEAD FREE |                                   |  |                       |  |            |  |                  |  |
| Unless otherwise specified dimensions are in millimeters.<br>[Inches dimensions are shown in brackets]      |  |                                           |                                                                            | Raychem                                                                                                                                            |                                                      | DOCUMENT NO.:<br>D-1744-01/-04-LF |  |                       |  |            |  |                  |  |
| TOLERANCES:<br>0.00 N/A<br>0.0 N/A<br>0 N/A                                                                 |  | ANGLES: N/A<br><br>ROUGHNESS<br>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. |                                                      | REV:<br><br>B                     |  | DATE:<br><br>6-Apr-07 |  |            |  |                  |  |
| DRAWN BY:<br>P.TALLY                                                                                        |  | CAGE CODE:<br>06090                       |                                                                            | REPLACES:<br>D060149                                                                                                                               |                                                      | ECO NUMBER:<br>07-008115          |  | SCALE:<br><br>NTS     |  | SIZE:<br>A |  | SHEET:<br>1 of 1 |  |