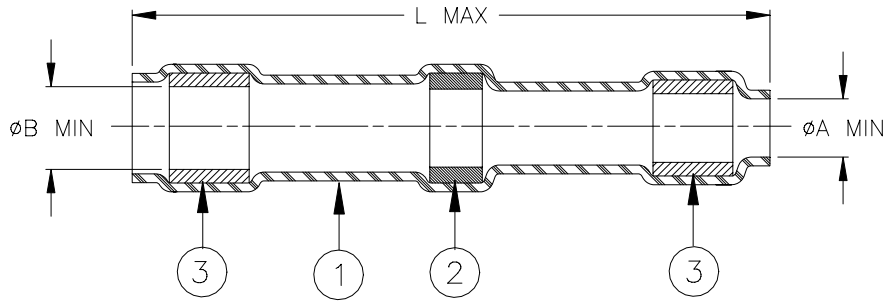


## SPECIFICATION CONTROL DRAWING



Product Revision		Product Dimensions			Wire Dimensions		CMA Range
Product Name		L max	$\phi A$ min	$\phi B$ min	$\phi D$		
					max	min	
D-1744-01	B	29.70 (1.170)	1.90 (0.075)	2.40 (0.095)	1.90 (0.075)	0.50 (0.020)	350 to 2000
D-1744-02	C	30.15 (1.187)	2.80 (0.110)	3.15 (0.125)	2.80 (0.110)	0.80 (0.030)	2000 to 4000
D-1744-03	B	29.60 (1.165)	4.60 (0.180)	5.10 (0.200)	4.57 (0.180)	1.30 (0.050)	4000 to 10000
D-1744-04	B	30.00 (1.180)	7.11 (0.280)	7.62 (0.300)	7.11 (0.280)	2.00 (0.080)	10000 to 13000

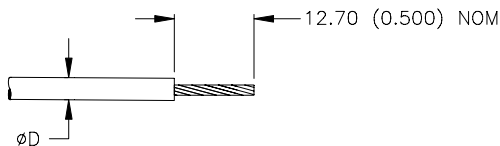
### MATERIALS

- INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked 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: Violet
- MELTABLE RINGS: Thermally stabilized thermoplastic. Color: gray.

### APPLICATION

- These parts are designed to provide an environment resistant in-line splice in wires having tin or silver-plated conductors and insulation rated for at least 125°C.
- Temperature range: -55°C to +150°C.
- Install using Tyco Electronics / Raychem-approved convection or infrared tools in accordance with Tyco Electronics / Raychem installation procedure RPIP-850-00.
- Assemblies will meet requirements of Tyco Electronics / Raychem specification RT-1404 and National Aerospace Standard NAS-1744.

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



		Tyco Electronics Corporation 300 Constitution Drive, Menlo Park, CA. 94025, U.S.A.				TITLE: <b>SOLDERSLEEVE WIRE SPLICE</b>							
Unless otherwise specified dimensions are in millimeters. [Inches dimensions are shown in brackets]						DOCUMENT NO.: <b>D-1744-01/-02/-03/-04</b>							
TOLERANCES: 0.00 N/A 0.0 N/A 0 N/A		ANGLES: N/A ROUGHNESS 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.		PROD. REV.: SEE TABLE		DOC. ISSUE: 5		DATE: 17-Mar-04			
PREPARED BY: mforonda		DCR NUMBER: D040063		REPLACES: D030265		CAGE CODE : 06090		SCALE: ---		SIZE: A		SHEET: 1 of 1	