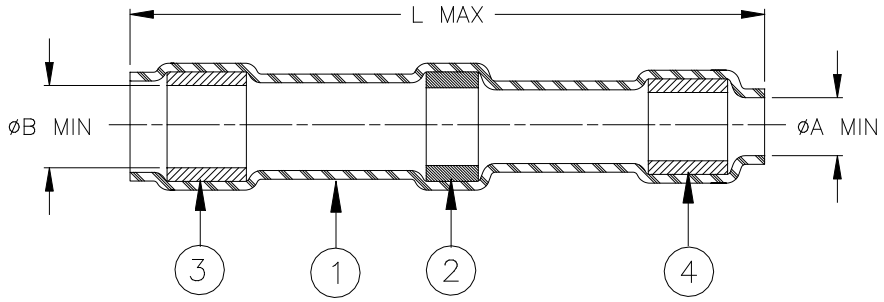
# CUSTOMER DRAWING




| Product Name | Product Dimensions | | | CMA Range |
|---|---|---|---|---|
| | L max | øA min | øB min | |
| D-1744-05 | 30.15 (1.187) | 1.9 (0.075) | 2.4 (0.095) | 350 to 2000 |
| D-1744-06 | 30.15 (1.187) | 2.8 (0.110) | 3.15 (0.125) | 2000 to 4000 |
| D-1744-07 | 30.15 (1.187) | 4.6 (0.180) | 5.1 (0.200) | 4000 to 10000 |
| D-1744-08 | 30.15 (1.187) | 7.11 (0.280) | 7.62 (0.300) | 10000 to 13000 |

**MATERIALS**

1. INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked polyvinylidene fluoride.
2. SOLDER PREFORM WITH FLUX:
   SOLDER: TYPE Sn63 per ANSI/J-STD-006.
   FLUX: TYPE ROM1 per ANSI/J-STD-004.
3. MELTABLE RING: Thermally stabilized thermoplastic. Color: blue.
4. MELTABLE RING: Thermally stabilized thermoplastic. Color: gray.

**APPLICATION**

1. These parts are designed to provide an environment resistant in-line splice in wires having nickel-plated conductors and insulation rated for at least 125°C.
2. These parts conform to National Aerospace Standard NAS-1744. When properly installed, they will meet the performance requirements of Tyco Electronics/Raychem RT-1404 and NAS-1747 for splices.
3. Part selection: Determine total CMA of wires to be spliced and select appropriate sleeve. Splice should contain no more than 3 wires per side.
4. Wire is to be stripped to exposed 12.5±1.5 (0.500±0.060) of conductor.
5. Parts may be installed using Tyco Electronics/Raychem approved convection or infrared heating tool. Tools must be equipped with a suitable reflector. For detailed assembly instructions, see Tyco Electronics/Raychem RPIP-850-00.
6. Temperature range: -55°C to +150°C.



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|---|---|---|
| TE | Raychem | TITLE: SOLDERSLEEVE WIRE SPLICE |
| Unless otherwise specified dimensions are in millimeters. [Inches dimensions are shown in brackets] | | DOCUMENT NO.: D-1744-05/-06/-07/-08 |
| 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. |
| | | Revision: 4 / Issue Date: April 2020 |

| DRAWN BY: | CAGE CODE: | DATE: | ECO: | SCALE: | SIZE: | SHEET: |
|---|---|---|---|---|---|---|
| M. FORONDA | 06090 | 20-May-03 | ECO-20-004960 | None | A | 1 of 1 |