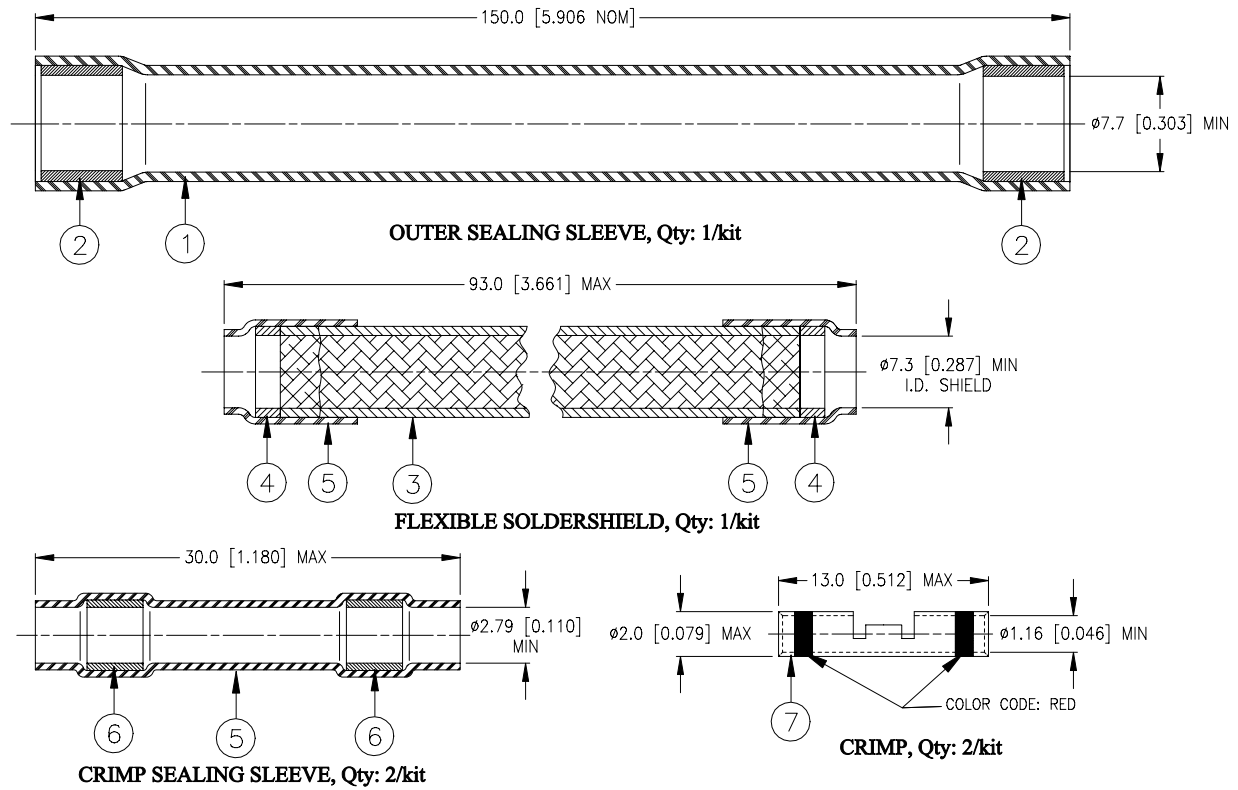


# SPECIFICATION CONTROL DRAWING



## MATERIALS

1. SEALING SLEEVE: High temperature fluid stabilized cross-linked elastomer according to Specification RK-6008.
2. MELTABLE RINGS: Modified stabilized elastomer-fluoropolymer thermoplastic.
3. BRAID: Tin-plated copper wire braid, fluxed and tinned at both ends.  
 SOLDER: TYPE Sn96 per ANSI/J-STD-006.  
 FLUX: TYPE ROM1 per ANSI/J-STD-004.
4. SOLDER PREFORM WITH FLUX:  
 SOLDER: TYPE Sn63 per ANSI/J-STD-006.  
 FLUX: TYPE ROM1 per ANSI/J-STD-004.
5. INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked modified polyvinylidene fluoride.
6. MELTABLE RINGS: Fluorocarbon-based thermoplastic.
7. CRIMP SPLICE: Nickel-plated copper alloy. Color code: red  
 BASE METAL: Copper Alloy 101 or 102 per ASTM B-75.  
 PLATING: Ductile Nickel per SAE-AMS -QQ-N-290.

## APPLICATION

1. This flexible cable joint is designed to splice shielded twisted pair cables together (1:1, 2:1 or 2:2) in an aircraft environment.
2. It should be used where continuous flexing is not a functional requirement.
3. Cables to be joined, Raychem 2524E0524-9.
4. For installation procedure and tooling, see RPIP-700-00.
5. Temperature range: -65°C to +150°C.
6. For application other than above, consult Raychem technical services.

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| <b>tyco</b><br><i>Electronics</i>  |  | Tyco Electronics Corporation<br>300 Constitution Drive,<br>Menlo Park, CA. 94025, U.S.A. |  | <i>Raychem</i>  |  | TITLE:<br><b>RAYCHEM FLEXIBLE, BUS CABLE<br/>JOINT, 1 TO 2 TWISTED PAIR</b> |  |
| Unless otherwise specified dimensions are in millimeters.<br>[Inches dimensions are shown in brackets] |  |  |  | DOCUMENT NO.:<br><b>B-500-600-00</b>  |  |   |  |
| TOLERANCES:<br>0.00 N/A<br>0.0 N/A<br>0 N/A  |  | ANGLES: N/A<br>ROUGHNESS IN<br>MICRON  |  | Tyco Electronics reserves the right to amend<br>this drawing at any time. Users should<br>evaluate the suitability of the product for their<br>application. |  |   |  |
| DRAWN BY:<br>M. FORONDA  |  | CAGE CODE:<br>06090  |  | REPLACES:<br>D040293  |  | DCR NUMBER:<br>D050037  |  |
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| DOC. ISSUE:<br>3   |  | DATE:<br>1-Feb-05  |  |   |  |   |  |