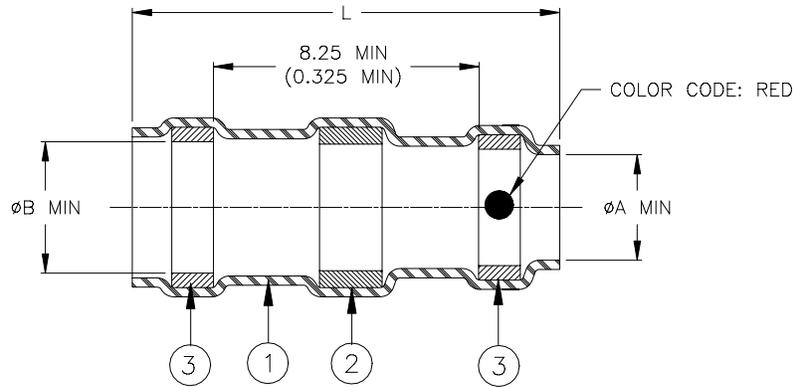


SPECIFICATION CONTROL DRAWING



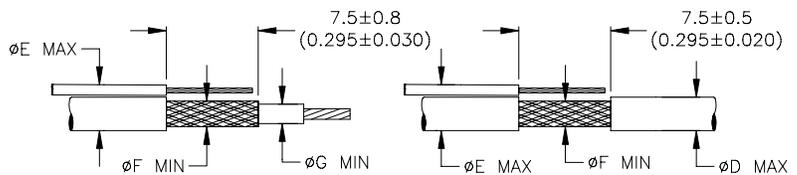
| Product Revision | | Ident Code | Product Dimensions | | | Cable Dimensions | | | |
|------------------|---|------------|---------------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------|
| Product Name | | | L±1.75 (L±0.075) | øA min | øB min | øD max | øE max | øF min | øG min |
| SO175-1-00 | A | SO1751R | 16.50 (0.650) | 1.90 (0.075) | 2.67 (0.105) | 1.90 (0.075) | 2.67 (0.105) | 0.90 (0.035) | 0.50 (0.020) |
| SO175-2-00 | A | SO1752R | 16.50 (0.650) | 2.67 (0.105) | 3.68 (0.145) | 2.67 (0.105) | 3.68 (0.145) | 1.40 (0.055) | 0.75 (0.030) |
| SO175-3-00 | A | SO1753R | 16.50 (0.650) | 4.32 (0.170) | 5.08 (0.200) | 4.32 (0.170) | 5.08 (0.200) | 2.15 (0.085) | 1.25 (0.050) |
| SO175-4-00 | A | SO1754R | 19.10 (0.750) | 5.97 (0.235) | 6.48 (0.255) | 5.97 (0.235) | 6.48 (0.255) | 3.30 (0.130) | 1.80 (0.070) |
| SO175-5-00 | A | SO1755R | 19.10 (0.750) | 6.98 (0.275) | 7.62 (0.300) | 6.98 (0.275) | 7.62 (0.300) | 4.30 (0.170) | 2.50 (0.100) |

MATERIALS

- INSULATION SLEEVE: Heat-shrinkable, transparent blue, radiation cross-linked modified polyvinylidene fluoride.
- 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: Fusible ring, melt point: 232°C, completely melted at 240°C.
 - MELTABLE RINGS: Environment resistant thermoplastic. Color: blue.

APPLICATION

- These parts are designed to provide an environment resistant shield termination on cables, rated for 150°C minimum, meeting the dimensional criteria listed, having nickel-plated shields and insulations compatible with the insert material. For compatible insulations, see MIL-S-83519/1 or consult Tyco Electronics/Raychem.
- When installed per Tyco Electronics/Raychem process standard RCPS-100-70, assemblies will meet performance requirement of Tyco Electronics/Raychem Specification RT-1404, MIL-S-83519, and 514.1920/99 Aerospatiale Matra Specification.
- Temperature range: -55°C to +175°C.
For best results, prepare the cable as shown:



“G” is the minimum diameter on which the sleeve will seal.

SolderSleeve is a trademark of Tyco Electronics Corporation

| | | | | | | | | |
|--|--|--|----------------------|---|----------------|--|------------------|--------------------|
| | | Tyco Electronics Corporation 300 Constitution Drive, Menlo Park, CA. 94025, U.S.A. | | | | TITLE: SOLDERSLEEVE SHIELD TERMINATOR, IMMERSION RESISTANT, 175°C, LEAD-FREE | | |
| Unless otherwise specified dimensions are in millimeters. [Inches dimensions are shown in brackets] | | | | | | DOCUMENT NO.: SO175-X-00 | | |
| 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: 1 | DATE: 25-Apr-03 |
| DRAWN BY: M. FORONDA | | CAGE CODE: 06090 | REPLACES: D020140 | DCR NUMBER: D030220 | SCALE: None | SIZE: A | SHEET: 1 of 1 | |

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