CUSTOMER DRAWING


| Product Name | Product Dimensions |  |  |  | Cable Dimensions |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{aligned} & \emptyset \mathrm{A} \\ & \mathrm{~min} \end{aligned}$ | $\begin{aligned} & \varnothing \mathrm{B} \\ & \min \end{aligned}$ | $\begin{gathered} \mathrm{C} \\ \mathrm{~min} \end{gathered}$ | $\begin{gathered} \mathrm{L} \\ \max \end{gathered}$ | $\begin{gathered} \phi \mathrm{D} \\ \max \end{gathered}$ | $\begin{aligned} & \varnothing \mathrm{E} \\ & \min \end{aligned}$ | $\begin{gathered} \phi \mathrm{G} \\ \max \end{gathered}$ | $\begin{gathered} \mathrm{H} \pm 0.5 \\ (\mathrm{H} \pm 0.020) \\ \hline \end{gathered}$ | $\begin{gathered} \mathrm{J} \pm 0.5 \\ (\mathrm{~J} \pm 0.020) \end{gathered}$ |
| B-152-03-S | $\begin{gathered} \hline 2.5 \\ (0.098) \\ \hline \end{gathered}$ | $\begin{gathered} 3.0 \\ (0.118) \\ \hline \end{gathered}$ | $\begin{gathered} 8.0 \\ (0.315) \\ \hline \end{gathered}$ | $\begin{gathered} 18.5 \\ (0.728) \\ \hline \end{gathered}$ | $\begin{gathered} 3.0 \\ (0.118) \\ \hline \end{gathered}$ | $\begin{gathered} 1.5 \\ (0.060) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 2.5 \\ (0.098) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6.0 \\ (0.236) \\ \hline \end{gathered}$ | $\begin{gathered} 7.0 \\ (0.276) \end{gathered}$ |
| B-152-05-S | $\begin{gathered} \hline 4.3 \\ (0.169) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4.8 \\ (0.189) \\ \hline \end{gathered}$ | $\begin{gathered} 8.0 \\ (0.315) \\ \hline \end{gathered}$ | $\begin{gathered} 18.5 \\ (0.728) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4.8 \\ (0.189) \\ \hline \end{gathered}$ | $\begin{gathered} 2.0 \\ (0.079) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4.3 \\ (0.169) \\ \hline \end{gathered}$ | $\begin{gathered} 6.0 \\ (0.236) \\ \hline \end{gathered}$ | $\begin{gathered} 7.0 \\ (0.276) \\ \hline \end{gathered}$ |
| B-152-06-S | $\begin{gathered} \hline 6.0 \\ (0.236) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 6.7 \\ (0.264) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 10.0 \\ (0.394) \\ \hline \end{gathered}$ | $\begin{gathered} 21.0 \\ (0.827) \\ \hline \end{gathered}$ | $\begin{gathered} 6.7 \\ (0.264) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 3.3 \\ (0.130) \\ \hline \end{gathered}$ | $\begin{gathered} 6.0 \\ (0.236) \\ \hline \end{gathered}$ | $\begin{gathered} 8.0 \\ (0.315) \\ \hline \end{gathered}$ | $\begin{gathered} 9.0 \\ (0.354) \\ \hline \end{gathered}$ |
| B-152-07-S | $\begin{gathered} \hline 6.8 \\ (0.267) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 7.3 \\ (0.287) \\ \hline \end{gathered}$ | $\begin{gathered} 10.0 \\ (0.394) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 21.0 \\ (0.827) \\ \hline \end{gathered}$ | $\begin{gathered} 7.3 \\ (0.287) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 3.3 \\ (0.130) \\ \hline \end{gathered}$ | $\begin{gathered} 6.8 \\ (0.267) \\ \hline \end{gathered}$ | $\begin{gathered} 8.0 \\ (0.315) \\ \hline \end{gathered}$ | $\begin{gathered} 9.0 \\ (0.354) \\ \hline \end{gathered}$ |
| B-152-09-S | $\begin{gathered} 8.7 \\ (0.343) \\ \hline \end{gathered}$ | $\begin{gathered} 9.2 \\ (0.362) \\ \hline \end{gathered}$ | $\begin{gathered} 10.0 \\ (0.394) \\ \hline \end{gathered}$ | $\begin{gathered} 28.5 \\ (1.102) \\ \hline \end{gathered}$ | $\begin{gathered} 9.2 \\ (0.362) \\ \hline \end{gathered}$ | $\begin{gathered} 4.5 \\ (0.177) \\ \hline \end{gathered}$ | $\begin{gathered} 8.7 \\ (0.343) \\ \hline \end{gathered}$ | $\begin{gathered} 8.0 \\ (0.315) \\ \hline \end{gathered}$ | $\begin{gathered} 9.0 \\ (0.354) \\ \hline \end{gathered}$ |
| B-152-11-S | $\begin{gathered} \hline 10.8 \\ (0.425) \\ \hline \end{gathered}$ | $\begin{gathered} 11.5 \\ (0.452) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 10.0 \\ (0.394) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 28.5 \\ (1.102) \\ \hline \end{gathered}$ | $\begin{gathered} 11.5 \\ (0.452) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 4.5 \\ (0.177) \\ \hline \end{gathered}$ | $\begin{gathered} \hline 10.8 \\ (0.425) \\ \hline \end{gathered}$ | $\begin{gathered} 8.0 \\ (0.315) \\ \hline \end{gathered}$ | $\begin{gathered} 9.0 \\ (0.354) \\ \hline \end{gathered}$ |

## MATERIALS

1. INSULATION SLEEVE: Heat-shrinkable, radiation cross-linked modified polyolefin. Transparent clear. Marked "B-152".
2. SOLDER PREFORM WITH FLUX:

SOLDER: TYPE Bi14 (Sn43PB43Bi14) per ANSI/J-STD-006.
FLUX: TYPE ROM1 per ANSI/J-STD-004.
3. MELTABLE SEALING RING: Thermally stabilized thermoplastic. Color: blue.
4. MELTABLE SEALING RING: Thermally stabilized thermoplastic. Color: blue; transparent gray (size 6).

## APPLICATION

1. These controlled soldering devices are designed for termination of a bare or tin plated copper shield on a cable, having an insulation rated for at least $+85^{\circ} \mathrm{C}$, meeting the dimensional criteria listed in the table above.
2. Temperature range: $-55^{\circ} \mathrm{C}$ to $+125^{\circ} \mathrm{C}$.
3. Parts will meet the requirements of Raychem Specification RT-1404 when installed properly.
4. For installation procedure and application equipment consult Tyco Electronics/Raychem document RCPS-B152.

For best results, prepare the cable as shown:


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| $\square$ |  | Raychem |  | SOLDERSLEEVE SHIELD TERMINATOR |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Unless otherwise specified dimensions are in millimeters. (Inches dimensions are shown in brackets) |  |  |  | document no.: $\quad \mathbf{B - 1 5 2 - X X - S ~}$ |  |  |  |
| $\begin{aligned} & \text { TOLERANCES: } \\ & 0.00 \mathrm{~N} / \mathrm{A} \\ & 0.0 \mathrm{~N} / \mathrm{A} \\ & 0 \mathrm{~N} / \mathrm{A} \end{aligned}$ | ANGLES: N/A <br> 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: 3 |  | Issue Date : April 2020 |  |
| PREPARED BY:mforonda |  | $\begin{aligned} & \hline \text { DATE: } \\ & \text { 25-Apr-03 } \\ & \hline \end{aligned}$ | ECO: ECO-20-004961 |  | SCALE: <br> None | $\begin{array}{r} \hline \text { SIZE: } \\ \mathrm{A} \\ \hline \end{array}$ | $\begin{array}{r} \hline \text { SHEET: } \\ 1 \text { of } 1 \\ \hline \end{array}$ |

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