## SPECIFICATION CONTROL DRAWING



| Product Revisions |  | Product Dimensions |  |  | Prepared Cable Dimensions |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Product Name |  | $\begin{aligned} & \text { ØA } \\ & \text { min } \end{aligned}$ | $\begin{aligned} & \hline \text { ØВ } \\ & \text { min } \end{aligned}$ | $\begin{gathered} \mathrm{L} \\ \max \end{gathered}$ | $\begin{gathered} \text { ØD } \\ \max \end{gathered}$ | $\begin{aligned} & \text { ØE } \\ & \text { min } \end{aligned}$ | $\begin{aligned} & \text { ØF } \\ & \text { min } \end{aligned}$ | $\begin{gathered} \varnothing \mathrm{G} \\ \max \end{gathered}$ | H | J |
| CWT-3 | D | $\begin{gathered} 2.50 \\ {[0.098]} \\ \hline \end{gathered}$ | $\begin{gathered} \hline 3.00 \\ {[0.118]} \\ \hline \end{gathered}$ | $\begin{gathered} 24.5 \\ {[0.965]} \\ \hline \end{gathered}$ | $\begin{gathered} 3.00 \\ {[0.118]} \\ \hline \end{gathered}$ | $\begin{gathered} 1.50 \\ {[0.060]} \\ \hline \end{gathered}$ | $\begin{gathered} 1.00 \\ {[0.040]} \\ \hline \end{gathered}$ | $\begin{gathered} 2.50 \\ {[0.098]} \\ \hline \end{gathered}$ | $\begin{gathered} 6.0 \pm 0.5 \\ {[0.236 \pm 0.020]} \\ \hline \end{gathered}$ | $\begin{gathered} 7.0 \pm 0.5 \\ {[0.726 \pm 0.020]} \\ \hline \end{gathered}$ |
| CWT-5 | F | $\begin{gathered} 4.30 \\ {[0.170]} \\ \hline \end{gathered}$ | $\begin{gathered} 4.80 \\ {[0.189]} \\ \hline \end{gathered}$ | $\begin{gathered} 29.3 \\ {[1.154]} \end{gathered}$ | $\begin{gathered} 4.80 \\ {[0.189]} \\ \hline \end{gathered}$ | $\begin{gathered} 2.00 \\ {[0.079]} \\ \hline \end{gathered}$ | $\begin{gathered} 1.50 \\ {[0.059]} \end{gathered}$ | $\begin{gathered} 4.30 \\ {[0.170]} \\ \hline \end{gathered}$ | $\begin{gathered} 8.0 \pm 0.5 \\ {[0.315 \pm 0.020]} \\ \hline \end{gathered}$ | $\begin{gathered} 9.0 \pm 0.5 \\ {[0.354 \pm 0.020]} \\ \hline \end{gathered}$ |
| CWT-6 | A | $\begin{gathered} 6.00 \\ {[0.236]} \\ \hline \end{gathered}$ | $\begin{gathered} 6.70 \\ {[0.264]} \\ \hline \end{gathered}$ | $\begin{gathered} 32.00 \\ {[1.260]} \\ \hline \end{gathered}$ | $\begin{gathered} 6.70 \\ {[0.264]} \\ \hline \end{gathered}$ | $\begin{gathered} 3.30 \\ {[0.130]} \\ \hline \end{gathered}$ | $\begin{gathered} 2.80 \\ {[0.110]} \\ \hline \end{gathered}$ | $\begin{gathered} 6.00 \\ {[0.236]} \\ \hline \end{gathered}$ | $\begin{gathered} 9.0 \pm 0.5 \\ {[0.354 \pm 0.020]} \\ \hline \end{gathered}$ | $\begin{gathered} 10.0 \pm 0.5 \\ {[0.394 \pm 0.020]} \\ \hline \end{gathered}$ |
| CWT-7 | F | $\begin{gathered} 6.80 \\ {[0.268]} \\ \hline \end{gathered}$ | $\begin{gathered} 7.30 \\ {[0.287]} \\ \hline \end{gathered}$ | $\begin{gathered} 32.50 \\ {[1.280]} \\ \hline \end{gathered}$ | $\begin{gathered} 7.30 \\ {[0.287]} \\ \hline \end{gathered}$ | $\begin{gathered} 3.30 \\ {[0.130]} \\ \hline \end{gathered}$ | $\begin{gathered} 2.80 \\ {[0.110]} \\ \hline \end{gathered}$ | $\begin{gathered} 6.80 \\ {[0.268]} \\ \hline \end{gathered}$ | $\begin{gathered} 10.0 \pm 1.0 \\ {[0.394 \pm 0.040]} \\ \hline \end{gathered}$ | $\begin{gathered} 11.0 \pm 1.0 \\ {[0.433 \pm 0.040]} \\ \hline \end{gathered}$ |
| CWT-9 | A | $\begin{gathered} 8.70 \\ {[0.343]} \\ \hline \end{gathered}$ | $\begin{gathered} 9.20 \\ {[0.362]} \\ \hline \end{gathered}$ | $\begin{gathered} 35.50 \\ {[1.398]} \\ \hline \end{gathered}$ | $\begin{gathered} 9.20 \\ {[0.362]} \end{gathered}$ | $\begin{gathered} 4.50 \\ {[0.177]} \\ \hline \end{gathered}$ | $\begin{gathered} 4.00 \\ {[0.157]} \\ \hline \end{gathered}$ | $\begin{gathered} 8.70 \\ {[0.343]} \\ \hline \end{gathered}$ | $\begin{gathered} 11.0 \pm 1.0 \\ {[0.433 \pm 0.040]} \\ \hline \end{gathered}$ | $\begin{gathered} 12.0 \pm 1.0 \\ {[0.472 \pm 0.040]} \end{gathered}$ |
| CWT-11 | E | $\begin{gathered} 10.80 \\ {[0.425]} \\ \hline \end{gathered}$ | $\begin{gathered} 11.50 \\ {[0.453]} \end{gathered}$ | $\begin{gathered} 35.50 \\ {[1.398]} \end{gathered}$ | $\begin{gathered} 11.50 \\ {[0.453]} \end{gathered}$ | $\begin{gathered} 4.50 \\ {[0.177]} \end{gathered}$ | $\begin{gathered} 4.00 \\ {[0.157]} \end{gathered}$ | $\begin{gathered} 10.80 \\ {[0.425]} \end{gathered}$ | $\begin{gathered} 12.0 \pm 1.0 \\ {[0.472 \pm 0.040]} \end{gathered}$ | $\begin{gathered} 13.0 \pm 1.0 \\ {[0.512 \pm 0.040]} \end{gathered}$ |
| CWT-13 | A | $\begin{gathered} 13.00 \\ {[0.512]} \\ \hline \end{gathered}$ | $\begin{gathered} 15.10 \\ {[0.594]} \\ \hline \end{gathered}$ | $\begin{gathered} 45.50 \\ {[1.791]} \end{gathered}$ | $\begin{gathered} 15.10 \\ {[0.594]} \\ \hline \end{gathered}$ | $\begin{gathered} 7.00 \\ {[0.276]} \\ \hline \end{gathered}$ | $\begin{gathered} 6.50 \\ {[0.256]} \\ \hline \end{gathered}$ | $\begin{gathered} 13.00 \\ {[0.512]} \\ \hline \end{gathered}$ | $\begin{gathered} 16.0 \pm 1.0 \\ {[0.630 \pm 0.040]} \end{gathered}$ | $\begin{gathered} 17.0 \pm 1.0 \\ {[0.670 \pm 0.040]} \end{gathered}$ |

## MATERIALS

1. INSULATION SLEEVE: Heat-shrinkable, radiation cross-linked modified polyolefin. Color: transparent clear.
2. SOLDER PREFORM WITH FLUX:

SOLDER: TYPE Cd18 per ANSI/J-STD-006.
FLUX: TYPE ROM1 per ANSI/J-STD-004.
3. MELTABLE SEALING RING: Thermally stabilized thermoplastic. Color: blue (size 3, 5, 6, 7, 9, 11); natural (size 13)
4. MELTABLE SEALING RING: Thermally stabilized thermoplastic. Color: blue (size 3, 5, 7, 11); gray (size 6); natural (size 9, 13)

## 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. When installed properly, it will meet the requirements of TE Connectivity / Raychem Specification RT-1404.
4. For installation procedure and application equipment consult TE Connectivity / Raychem document RPIP-824-00.

For best results, prepare the cable as shown:


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