## CUSTOMER DRAWING



| Product <br> Name | Product Dimensions |  |  | Cable Dimensions |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\emptyset \mathrm{A}$ | $\emptyset \mathrm{B}$ | L | $\emptyset \mathrm{D}$ | $\emptyset \mathrm{E}$ | $\emptyset \mathrm{F}$ | $\emptyset \mathrm{G}$ | J |
|  | $\min$ | $\min$ | $\max$ | $\max$ | $\min$ | $\min$ | $\max$ |  |
| CWT-7-W116-9 | 6.40 | 7.30 | 32.50 | 7.30 | 3.30 | 2.80 | 6.40 | $11.00 \pm 1.00$ |
|  | $(0.252)$ | $(0.287)$ | $(1.280)$ | $(0.287)$ | $(0.130)$ | $(0.110)$ | $(0.252)$ | $(0.433 \pm 0.040)$ |
| CWT-9-W116-9 | 8.70 | 9.20 | 35.50 | $9 .(0.362$ | 4.50 | 4.00 | 8.70 | $12.00 \pm 1.00$ |
|  | $(0.343)$ | $(0.362)$ | $(1.398)$ | $)$ | $(0.177)$ | $(0.157)$ | $(0.343)$ | $(0.472 \pm 0.040)$ |
|  | 10.00 | 11.50 | 35.50 | 11.50 | 4.50 | 4.00 | 10.00 | $13.00 \pm 1.00$ |
| CWT-11-W116-9 | $(0.394)$ | $(0.453)$ | $(1.398)$ | $(0.453)$ | $(0.177)$ | $(0.157)$ | $(0.394)$ | $(0.512 \pm 0.040)$ |
| CWT-13-W116-9 | 13.00 | 15.10 | 45.50 | 15.10 | 7.00 | 6.50 | 13.00 | $17.00 \pm 1.00$ |
|  | $(0.512)$ | $(0.594)$ | $(1.791)$ | $(0.594)$ | $(0.276)$ | $(0.256)$ | $(0.512)$ | $(0.669 \pm 0.040)$ |

MATERIALS

1. INSULATION SLEEVE: Transparent heat-shrinkable radiation cross-linked modified polyolefin.

## 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.
4. GROUND LEAD: Raychem cross-linked polyethylene wire, AWG16, stranded tin-plated copper. Color: white.

## 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, these devices will meet the requirements of Tyco Electronics/Raychem Specification RT-1404.
4. For installation procedure and application equipment, consult Tyco Electronics/Raychem RPIP 824-00.

For best results, prepare the cable as shown:


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|  |  | = |  |  | SOLDERSLEEVE TERMINATOR WITH PREINSTALLED LEAD |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Unless otherwise [Inches dimensio | ecified dimension are shown in brac | are in mil <br> ets] |  | Raychem Devices | DOCUMENT NO.: $\quad$ CWT-XX-W116-9 |  |  |  |
| TOLERANCES $\begin{aligned} & 0.00 \pm 0.02 \mathrm{MM} \\ & 0.0 \pm 0.2 \mathrm{MM} \\ & 0 \pm 0.5 \mathrm{MM} \\ & \hline \end{aligned}$ | ANGLES: $\pm 0^{\circ} 30^{\prime}$ TE Connectivity reserves the right to <br> amend this drawing at any time. <br> ROUGHNESS <br> IN MICRON Users should evaluate the suitability <br> of the product for their application. |  |  |  | $\begin{gathered} \text { Revision : } \\ \text { D } \end{gathered}$ |  | Issue Date : April 2020 |  |
| PREPARED BY TNGUY | $\begin{gathered} \hline \text { CAGE CODE: } \\ 06090 \\ \hline \end{gathered}$ |  | DATE:April 21, 2020 |  | ECO: ECO-20-004959 | $\begin{gathered} \hline \text { SCALE: } \\ \text { NTS } \\ \hline \end{gathered}$ | SIZE: A | $\begin{gathered} \hline \text { SHEET: } \\ 1 \text { of } 1 \end{gathered}$ |

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