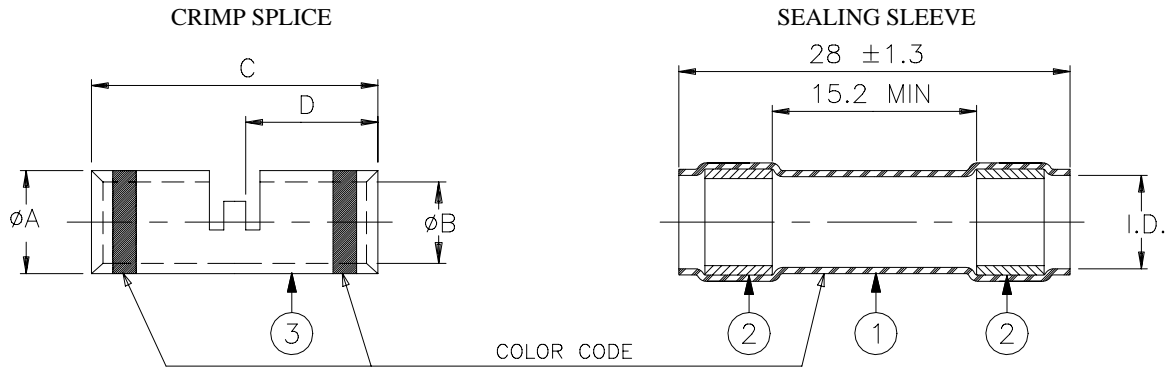


## SPECIFICATION CONTROL DRAWING



| Product Rev. | Splice/<br>Sleeve<br>Color Code | Crimp Splice           |                        |                 |                 | Total Area of<br>Conductor Accommodation |             | Sealing Sleeve        |                               |
|--------------|---------------------------------|------------------------|------------------------|-----------------|-----------------|--|-------------|-----------------------|-------------------------------|
|              |                                 | $\phi A$<br>$\pm 0.08$ | $\phi B$<br>$\pm 0.05$ | C<br>$\pm 0.25$ | D<br>$\pm 0.25$ | mm <sup>2</sup>                          | CMA         | Min. I.D.<br>Supplied | $\phi$ MAX<br>Fully Recovered |
| W-095-01     | A Red                           | 1.96                   | 1.22                   | 12.7            | 5.79            | 0.2 - 0.6                                | 410 - 1230  | 2.16                  | 0.63                          |
| W-095-02     | A Blue                          | 2.62                   | 1.70                   | 14.61           | 6.86            | 0.6 - 1.4                                | 1180 - 2770 | 2.79                  | 0.63                          |
| W-095-03     | B Yellow                        | 3.81                   | 2.54                   | 14.61           | 6.86            | 1.25 - 3.0                               | 2650 - 5720 | 4.32                  | 0.63                          |

For possible wire combinations, refer to table given below in sq. mm and circular mil area for ISO stranded conductors.

| AWG                          | 24       | 22      | 20     | 18      | 16      | 14      | 12       |
|------------------------------|----------|---------|--------|---------|---------|---------|----------|
| Number and $\phi$ of Strands | 19/0.118 | 19/0.15 | 19/0.2 | 19/0.25 | 19/0.30 | 37/0.25 | 37/0.315 |
| Area mm <sup>2</sup>         | 0.25     | 0.4     | 0.6    | 1       | 1.25    | 1.82    | 2.89     |
| Area circ.<br>mils           | 475      | 754     | 1216   | 1900    | 2426    | 3700    | 5720     |

### MATERIALS

1. INSULATION SLEEVE: Heat-shrinkable, radiation cross-linked modified polyvinylidene fluoride. Color: see table.
2. MELTABLE SEALING RINGS: Thermally stabilized thermoplastic.
3. CRIMP SPLICE: Copper Alloy 101 or 102 per WW-T-775, nickel plated per QQ-N-290.

### APPLICATION

1. This device provide an immersion resistant sealed in-line crimp splice for single wire splicing. Multiple in-line assemblies are also possible within the size range shown in the table above.
2. It is suitable for use with wire whose insulation is rated at 125°C minimum.
3. The device is rated at 150°C.
4. For installation procedure, see RPIP-685-00.

|   |  |                        |  |   |  |  |  |                      |  |                          |  |
|---|--|------------------------|--|---|--|--|--|----------------------|--|--------------------------|--|
| <b>Raychem</b>  |  | THERMOFIT<br>DEVICES   |  | Raychem Corporation<br>300 Constitution Drive<br>Menlo Park, CA 94025 USA   |  | TITLE:<br><b>CRIMP SPLICE,<br/>IN-LINE, SEALED</b> |  |                      |  |                          |  |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN MILLIMETERS. |  |                        |  |   |  | DOCUMENT NO.: <b>W-095-01/-02/-03</b>              |  |                      |  |                          |  |
| TOLERANCES:<br>0.00 N/A<br>0.0 N/A<br>0 N/A               |  | ANGLES: N/A            |  | Raychem reserves the right to amend this drawing at any time. Users should evaluate the suitability of the product for their application. |  | DCR NUMBER:<br>D981383                             |  | REPLACES:<br>D971579 |  |                          |  |
|   |  | ROUGHNESS IN<br>MICRON |  |   |  | DRAWN BY:<br>M. FORONDA                            |  | DATE:<br>09/17/98    |  | PROD. REV.:<br>SEE TABLE |  |
|   |  |                        |  | DOC ISSUE:<br>6   |  | SCALE:<br>None                                     |  | SIZE:<br>A           |  | SHEET:<br>1 of 1         |  |

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