

7-27



| Identification                                                                    | No. of contacts <sup>1)</sup> | Part No.            |                   |                     |                  |
|-----------------------------------------------------------------------------------|-------------------------------|---------------------|-------------------|---------------------|------------------|
|                                                                                   |                               | male connectors     | female connectors |                     |                  |
|                                                                                   |                               | Performance level 3 | S4 <sup>2)</sup>  | Performance level 3 | S4 <sup>2)</sup> |
|  | 7W2                           | 09 69 211 7072      | 09 69 211 5072    | 09 69 201 7072      | 09 69 201 5072   |
|  | 17W2                          | 09 69 311 7172      | 09 69 311 5172    | 09 69 301 7172      | 09 69 301 5172   |
|  | 21WA4                         | 09 69 411 7214      | 09 69 411 5214    | 09 69 401 7214      | 09 69 401 5214   |
|  | 27W2                          | 09 69 411 7272      | 09 69 411 5272    | 09 69 401 7272      | 09 69 401 5272   |

Technical drawings of the AWG 20 termination. The top drawing shows a side view with dimensions: 12.5 ± 0.4, 0.25 ± 0.08, e, 8.2 ± 0.2, and 0.25 ± 0.08. The bottom drawing shows a top view with dimensions: 8.1, 6.4, 10.8 ± 0.3, b, c, d, and a hole diameter of Ø3.1 ± 0.1. A detail drawing on the right shows the solder cup termination with dimensions: 2.84, 6.0 ± 0.3, and 0.9 ± 0.2. A table on the right provides values for dimensions a, b, c, d, and e for different wire types.

|       | a    | b    | c    | d     | e    |
|-------|------|------|------|-------|------|
| 7W2   | 24.6 | 39.1 | 27.5 | 33.30 | 25.2 |
| 17W2  | 38.3 | 53.0 | 41.3 | 47.04 | 38.9 |
| 21WA4 | 54.8 | 69.3 | 57.7 | 63.50 | 55.3 |
| 27W2  | 54.9 | 69.3 | 57.7 | 63.50 | 55.3 |

Technical drawings of a solder cup termination for AWG 20 (0.5 mm²) wire. The drawings include a side view, a top view, and a detail view of the solder cup.

**Side View Dimensions:**

- Overall length:  $12,5 \pm 0,1$
- Distance from end to first hole:  $0,25$  (B)
- Distance between holes:  $a$
- Distance from last hole to end:  $0,25$  (A)
- Overall width:  $8 \pm 0,2$

**Top View Dimensions:**

- Overall width:  $8$
- Distance from end to first hole:  $6,3$
- Distance between holes:  $b$
- Distance from last hole to end:  $c$
- Overall length:  $10,8 \pm 0,3$
- Distance from end to first hole:  $0,25$  (A)
- Distance from last hole to end:  $0,25$  (B)
- Distance between holes:  $d$
- Hole diameter:  $\varnothing 3,1 \pm 0,1$

**Detail View Dimensions:**

- Overall width:  $2,8$
- Distance from end to first hole:  $6,3 \pm 0,25$
- Distance from last hole to end:  $0,8 \pm 0,2$

Dimensions in mm

Dimensions in mm