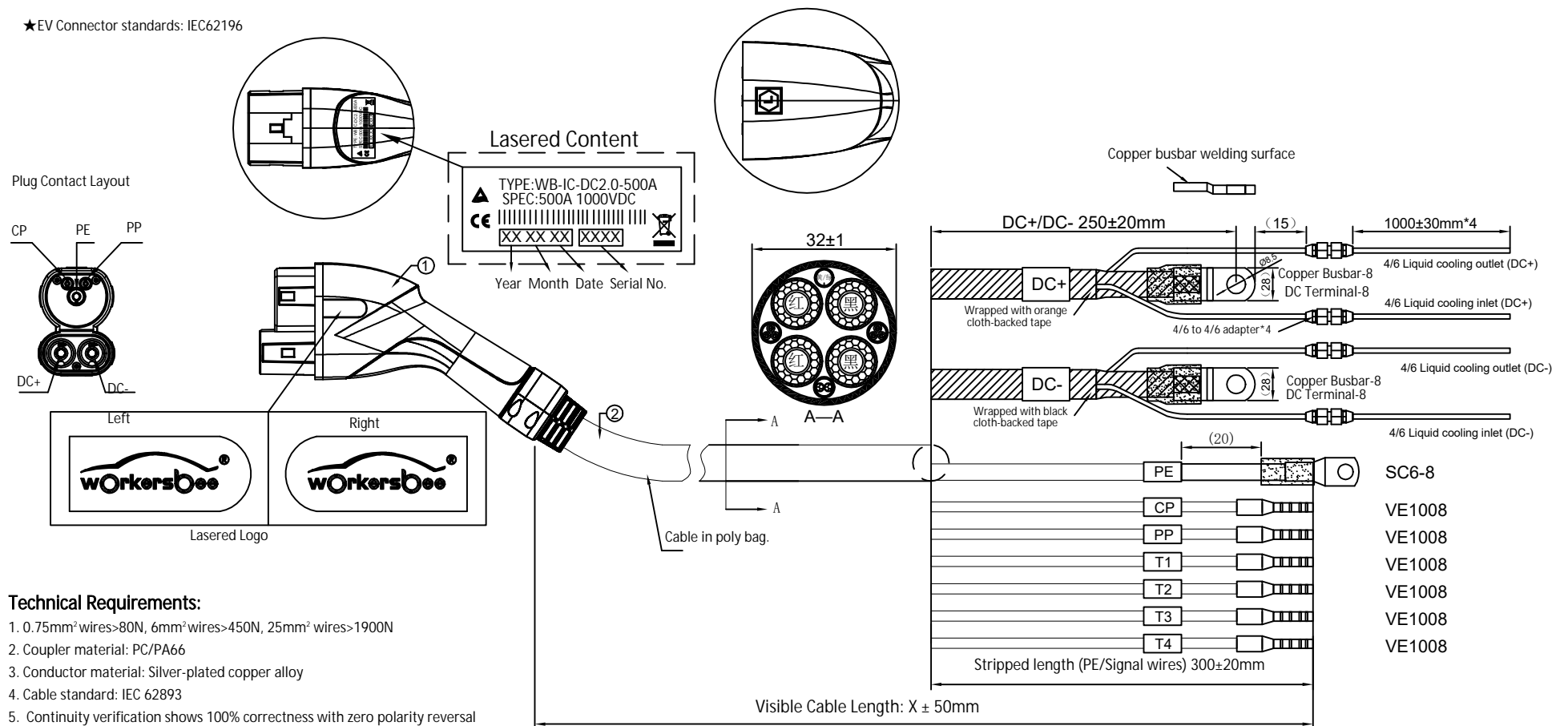


★EV Connector standards: IEC62196



Technical Requirements:

- 0.75mm² wires>80N, 6mm² wires>450N, 25mm² wires>1900N
- Coupler material: PC/PA66
- Conductor material: Silver-plated copper alloy
- Cable standard: IEC 62893
- Continuity verification shows 100% correctness with zero polarity reversal incidents.
- No scratches, cable damages, dirt, heat shrinkable tube detachment, terminal detachment and other defects should be observed.

Technical Specifications

Rated Voltage: 1000 V DC
Rated Current: 500A
Ambient Temperature: -30°C to +50°C
Cooling method: Liquid cooling

Insulation Resistance:
≥500 MΩ at room temperature;
Complies with IEC 62196 under damp heat conditions

Dielectric Strength:
3500 V AC (50/60Hz) between every two wires of DC+, DC- and PE
Duration: 60 seconds
Leakage current < 5 mA

Ingress Protection: IP55 (when mated)
Connector Flame Rating: UL94V-0
Mating Cycles: 10,000 cycles (unloaded)
Insertion/Withdrawal Force: <100N

