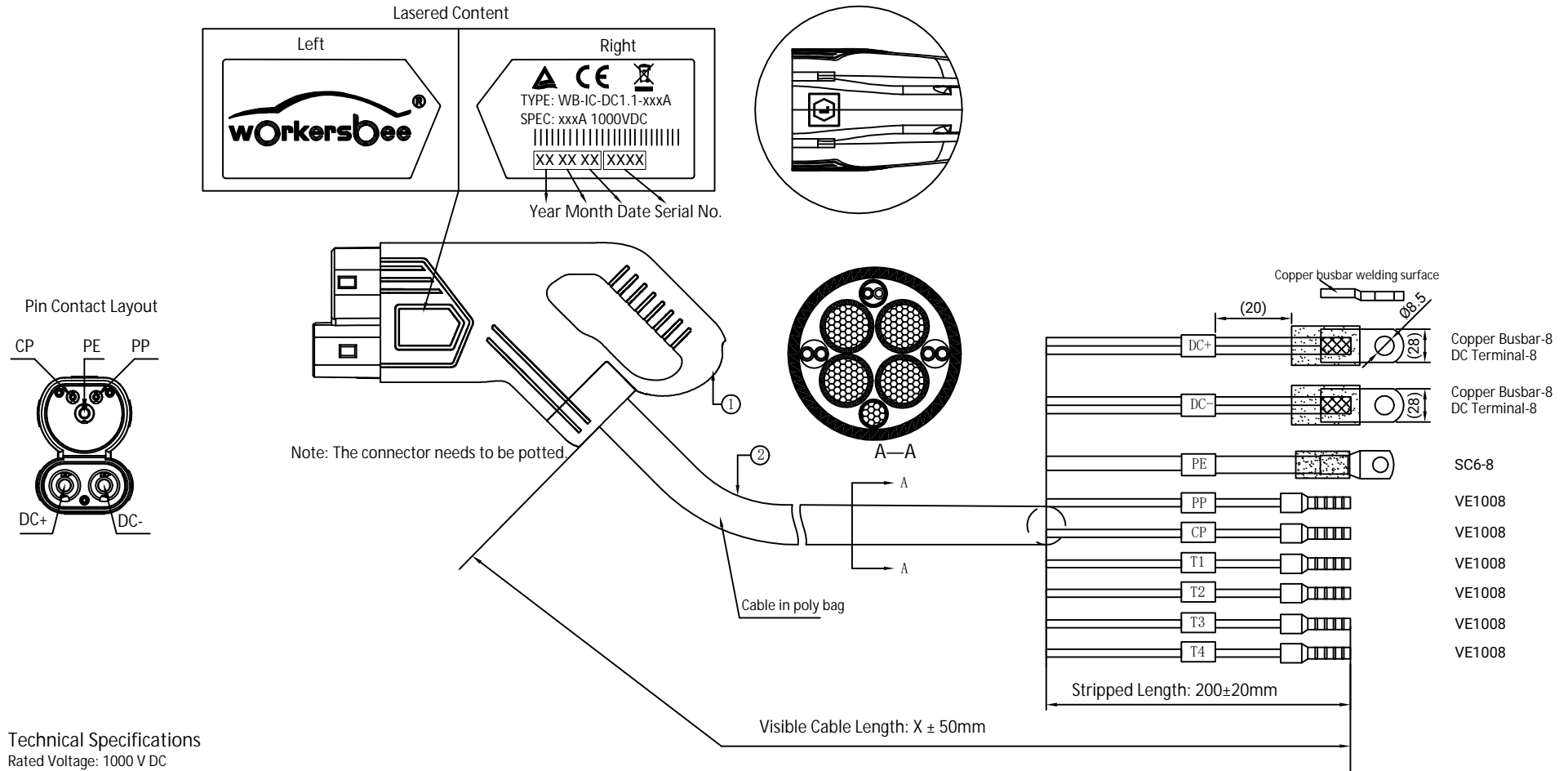


★EV Connector standards: IEC62196



### Technical Specifications

Rated Voltage: 1000 V DC  
Rated Current: 250A, 300A, 350A, 375A  
Ambient Temperature: -30°C to +50°C  
Cooling method: Natural 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

### Technical Requirements:

- 0.75mm<sup>2</sup> wires>80N, 35mm<sup>2</sup> wires>2200N, 40mm<sup>2</sup> wires>2200N, 50mm<sup>2</sup> wires>2700N, 60mm<sup>2</sup> wires>2700N, 70mm<sup>2</sup> wires>2700N, 80mm<sup>2</sup> wires>2700N, 100mm<sup>2</sup> wires>2700N, 120mm<sup>2</sup>>2700N
- 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.

### Wiring Diagram

Vehicle Connector

