Self-supporting outdoor cable termination with integrated screen interruption. For installations in which the termination is to be used as a fixed connection point and in sites with high pollution levels. Designed to meet the requirements of internationally accepted standards such as IEC 60840.

The different types of cable terminations are APECB 1703/1704/1705.

1. **Top bolt**  
Made from aluminium or tin-plated copper.

2. **Conductor connection**  
Mechanical bolt connector.

3. **Top fitting**  
A rubber sealing and two O-rings seal the top bolt to the top cover cap. The top cover is made from aluminium alloy. It is fastened with bolts to the composite insulator sealed with an O-ring.

4. **Composite insulator**  
The housing is made of silicone rubber and has a naturally hydrophobic surface which minimizes the risk of creepage currents.

5. **Filling compound**  
Polybutene oil, volume: 25 liters.

6. **Stress relief cone**  
Premolded stress relief cone designed for geometric field control.

7. **Box body**  
Made from aluminium alloy. The robust construction with bolts secures the insulator. Sealed with an O-ring. Flange made from glass fiber reinforced plastic (GFRP), enables integrated screen separation.

8. **Earth clamp**  
The earth clamp is made of tin-plated brass and clamped with stainless steel bolts. The earth clamp has a rated cross section of 1050 mm².

9. **Cable clamp**  
Made from fiberglass reinforced epoxy. The cable clamp secures the cable in a fixed position.

### Main technical data

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Routine test
Composite insulator according to IEC 61462
Insulating oil
Dielectric strength according to IEC 60156
Water content test according to Karl Fischer method
Dimensional and electric test is performed on each stress relief cone
Leakage test of flange, top cover and top cap
Visual inspection is performed on all parts of the termination

Cable range
Prepared insulation Ø (mm) 45.5–107
Conductor Cu/Al (mm²) 185–2500
Oversheath Ø (mm) 170

Storage
When stored in original, unopened packaging at temperatures in the range of -30°C to 30°C:
- The stress relief cone has a shelf life of ten years from date of manufacture.
- Tapes and grease have a shelf life of five years.
- Metal hardwares have no shelf life limit.

When stored in original, unopened packaging at temperatures in the range of 5°C to 45°C the insulating oil has a shelf life of ten years.

For additional information, please contact: www.abb.com/cableaccessories

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