



Certificate Number: CLR-CAB1096

Test Standard: IEEE Std™ 837-2014 Qualifying Permanent Connections
Used in Substation Grounding

Part Number: CACD35

Application: Crimped onto 7/2.50 (34.4mm²) bare Hard Drawn Copper

Test Report: CLR-CAB1096 (Cabac lab), CLR-NA450-TT (Cabac NATA lab), CLR-NA450-HC (Cabac NATA lab), XC3294 (CSIRO), PL1430-5 (IANZ accredited Lab)

Test completed date: 10 June 2015

TEST CERTIFICATE

Subject:

To conduct compliance qualification tests for the wide jaw Copper C-connector, part number CACD35 to IEEE Std™ 837-2014 .

Specification:

IEEE Std 837-2014 Clause 5 Performance criteria;
Clause 7 Mechanical test – 7.2 Mechanical pull out test (IEEE Std™ 837-2002);
IEEE Std 837-2014 Table 1 - Qualification test sequence and quantities:
Clause 7 Mechanical test – 7.2 Electromagnetic force (EMF) test - Conductor size bellow 67.4mm² is not be tested;
Clause 8 Current-temperature cycling test (IEEE Std™ 837-2002);
Clause 9 Freeze-thaw test;
Clause 10 Corrosion test – 10.2 Salt spray and 10.3 Acid (HNO₃) test;
Clause 11 Fault-current test

Conclusion

The wide jaw Copper C-connectors, part number CACD35, standard stock sample, crimped onto 7/2.50 (34.4mm²) bare Copper hard drawn conductor, using Cabac die HT130-CC (die width 16mm) and 13 tone crimper B131L-C, have met the requirements of standard IEEE Std 837-2014 Clause 5 Performance criteria when tested in accordance with IEEE Std 837-2002 Clause 7.2 & IEEE Std 837-2014 Table 1.

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