

QUALIFICATION TESTS: NVENT ERICO CADWELD PERMANENT GROUNDING CONNECTORS

Client:	nVent ERICO - 34600 Solon Road Solon, Ohio, 44139, USA		
Project No.:	PL-26132 (Nov. 2014): 4/0 Equivalent Copper Clad Steel Cable 19/#8 40% Copper Testing PL-26207 (Jul. 2015): 4/0 Copper Cable Testing PL-01035 (Aug. – Nov. 2015): Sequential Testing		
Test Standard:	IEEE Std. 837-2014		
Tested Item:	13 designs of permanent connections used in substation grounding.		
Type Identification:	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> A) 4/0 Equivalent Copper Clad Steel Cable 19/#8 40% Copper Testing </div> <div style="width: 45%;"> B) 4/0 Copper Cable Testing </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 45%;"> Design 1: LAC9GEE Design 2: VSC9G Design 3: PTC9G9G Design 4: XBQ9G9G Design 5: TAC9G9G Design 6: GTC189G </div> <div style="width: 45%;"> Design 7: VSC2Q Design 8: PTC2Q2Q Design 9: XBM2Q2Q Design 10: LAC2QEE Design 11: SSC2Q Design 12: HDPTC2Q2Q Design 13: GTC182Q </div> </div>		
Results:	1. Designs 1 to 13 passed the Electromagnetic Force (EMF) test per clause 7.2 of IEEE Std. 837-2014. 2. Designs 8 and 13 were also submitted for sequential tests and passed the following tests in accordance with IEEE Std. 837-2014: <ol style="list-style-type: none"> Current-temperature cycling (Clause 8) Freeze-thaw (Clause 9) Corrosion- salt spray (Clause 10.2) Corrosion- acid (Clause 10.3) Fault current (Clause 11) 		
Remarks:	The tested samples were provided and identified by the client.		

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