

**ENGINEERING & CONSTRUCTION DEPARTMENT**  
**693A Spanish Town Road, Kingston 11**  
**Tel 937-9320-5, Fax 937-9259**  
**T & D MATERIAL SPECIFICATION**

<b>JPS Specification #: DSA-CCS-0927-2013</b>	<b>Date: September 27, 2013</b>
<b>Item Stock: 50318</b>	<b>Supersedes: All Previous</b>

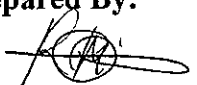
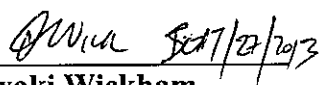
**Description:** Conductor, 2/0 Dead Soft Annealed (DSA) Copper Clad Steel (Copperweld)

**Application:** DSA Copperweld conductor shall be suitable for use in grounding applications.

**SPECIFICATION**

**Conductor, 2/0 Dead Soft Annealed (DSA) Copper Clad Steel (Copperweld)**, shall be manufactured from seven (7) strands dead soft annealed (DSA) copper clad steel each having a cross sectional area of approximately 10.5 mm<sup>2</sup> (# 7 AWG). The overall conductor diameter shall be approximately 73.9 mm<sup>2</sup> (2/0 equivalent). The conductor shall be of nominal conductivity of 40% based on the International Annealed Copper Standard (IACS). The conductor shall be capable of carrying short time fusing current of 13 kA for 9 cycles. The minimum tensile strength shall be (40, 000 psi or 276 N/mm<sup>2</sup>) according to Table 2 of ASTM B 910 standard for 40% IACS Nominal Conductivity.

The conductor shall be manufactured according to the latest revision of ASTM B910, ASTM B193 and ASTM B258. **Manufacturers/suppliers shall complete and submit the attached data sheet along with their bids.**

<b>Prepared By:</b>  27/Sep/2013 <b>Ryan McPherson</b> <b>Distribution Engineer</b> <b>Engineering &amp; Construction Department</b>	<b>Approved By:</b>  27/27/2013 <b>Osawaki Wickham</b> <b>Manager</b> <b>Engineering &amp; Construction Department</b>
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**MATERIAL DATA SHEET**

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Manufacturer/Supplier	
Catalogue No.	
Manufacturing Standard(s)	
Testing Standard(s)	
Stranding	
Area (mm <sup>2</sup> )	
Diameter (mm)	
Weight per Unit Length (kg/km)	
Minimum Tensile Strength	
Standard Cable Length of Coil (m)	
Fusing current for 1 second	