

**ENGINEERING & STANDARDS DEPARTMENT**  
**693A Spanish Town Road, Kingston 11**  
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**T & D MATERIAL SPECIFICATION**

<b>JPS SPECIFICATION: CCPVC-2-2607-2013</b>	<b>DATE: July 26, 2013</b>
<b>ITEM STOCK: 50306</b>	<b>SUPERSEDES: All Previous</b>

**DESCRIPTION:** Conductor, Copper, 7 Strands, PVC Insulated, Single, Overhead, 35 mm<sup>2</sup> (#2 AWG), Ampacity 170 Amps, 600V, Type THW.

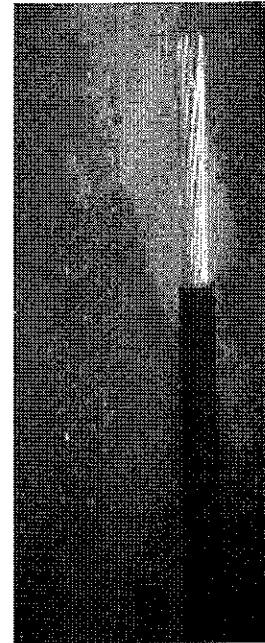
**APPLICATION:** To be used for wiring on overhead distribution lines and equipment.

**SPECIFICATION**

**Conductor, Copper, 7 Strands, PVC Insulated, Single-Conductor, Overhead, 35 mm<sup>2</sup> (#2 AWG), Ampacity – 170 Amps, 600V, Type THW, to be used for wiring on overhead distribution lines and equipment.**

Conductor shall have a cross sectional area of 35mm<sup>2</sup>. Conductor shall be manufactured from hard drawn copper and consist of seven (7) strands. The insulation shall be manufactured from a flame and moisture retardant, oil and sunlight resistant polyvinyl chloride compound. Nominal insulation thickness shall be 60 mils. Conductor shall be of type THW and shall be suitable for use in wet or dry locations of maximum temperature 75°C. Conductor shall be suitable for 170-ampere operation in air.

Conductor shall be manufactured in accordance with ICEA S-61-402 standards and shall be packaged on reels with maximum gross weight 300 kilograms.



<b>Prepared by:</b> <i>Leroy Fisher</i> July 26, 2013	<b>Approved by:</b> <i>Osawaki Wickham</i> July 26, 2013
<b>Leroy Fisher</b> Engineer Engineering & Construction Department	<b>Osawaki Wickham</b> Manager Engineering & Construction Department

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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)	
Ultimate Tensile Strength	
Modulus of Elasticity (Final & Initial)	
Coefficient of Linear Expansion	
Standard Length of Cable on Reel (m)	