

**ENGINEERING DEPARTMENT**  
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**T & D MATERIAL SPECIFICATION**

JPS Specification #:BCU - 4 -2012	Effective Date: March 7, 2012
ITEM STOCK:50304	Supersedes: All

**Description:** Conductor, Bare Copper, Hard Drawn, 25 mm<sup>2</sup> (# 4 AWG)

**General Use:** To be use for Buried Grounding Conductor

**SPECIFICATION**

Conductor, bare Copper, shall have a cross sectional area of 25 mm<sup>2</sup>. Conductor shall be made from hard drawn and consist of seven (7) strands each 1.96 mm in diameter. Bare Copper shall be manufactured and tested according to ASTM B-1 and ASTM B-8 Standards respectively.

Conductor shall also conform to the following:

Ampacity:	170 Amps (Min)	Outside diameter:	5.9 mm
Weight:	193 kg/km	Rated Strength:	1938 lbs (8.62 kN)

Conductor shall be suitably packaged for export on reels and shall have a standard length of 1000 meters per reel. Manufacturers shall complete the attached data sheet and submit along with their bids.



Prepared by: <i>Osawaki Wickham</i> <i>MARCA/7/2012</i>	Approved by: <i>Lloyd Blackwood</i> <i>March 13, 2012</i>
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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)	