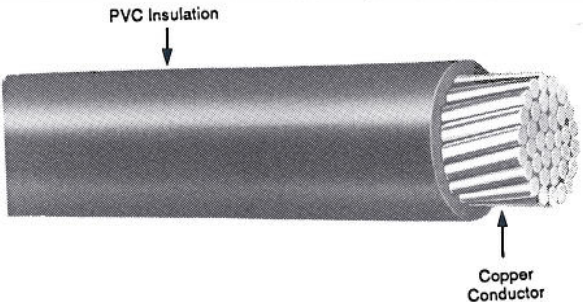


## ROME BOREHOLE CABLE, 600 VOLTS

### Mine Power Feeder and Borehole Cable

<p><b>APPLICATION:</b> For 600-volt Feeder (ac or dc) or Borehole circuits where special flame resistance is required.</p> <p><b>STANDARDS:</b> Conforms to ICEA S-61-402 (NEMA WC5) as applicable.</p> <p><b>CONSTRUCTION:</b> Stranded copper conductor insulated with a special flame-resistant polyvinyl chloride insulation and imprinted with the inscription P-105 indicating full compliance with State of Pennsylvania Safety Codes.</p>					
Size kcmil	No. of Strands	Insulation Thickness Mils	Copper Conductor		
			Nominal Diameter Inches	Approx. Net Weight Lb./1000 Ft.	Ampacity in Air 75°C Conductor 40°C Ambient
500	37	110	1.04	1740	595
750	61	125	1.25	2610	768
1000	61	125	1.41	3410	920
1250	91	140	1.58	4280	1048
1500	91	140	1.70	5060	1166

Information on this sheet subject to change without notice.

## Specification

### ROME BOREHOLE CABLE, 600 VOLTS

#### Mine Power Feeder and Borehole Cable

##### 1. SCOPE

- 1.1 This specification describes single conductor power cable with Polyvinyl Chloride (PVC) insulation for use in mine power feeder or borehole circuits not exceeding 600 volts at a maximum conductor temperature of 75°C.

##### 2. STANDARDS

- 2.1 The following standards shall form a part of this specification:
  - 2.1.1 ICEA Pub. No. S-61-402 for Thermoplastic-insulated Wire and Cable (NEMA WC5).

##### 3. CONDUCTOR

- 3.1 Class B stranded annealed uncoated copper per Part 2 of ICEA.

##### 4. INSULATION

- 4.1 A homogeneous wall of PVC insulation shall be extruded over the conductor. The average thickness of the insulation shall be 110 mils for conductor sizes 250-500 kcmil, 125 mils for 501-1000 kcmil and 140 mils for sizes over 1000 kcmil.
- 4.2 Physical and electrical properties of the insulation shall be in accordance with Part 3 of ICEA.

##### 5. SURFACE MARKING

- 5.1 All cable shall be imprinted showing manufacturer, size, voltage, and State of Pennsylvania Approval Number.

##### 6. TESTS

- 6.1 Cable shall be tested in accordance with ICEA.