



*Communication Systems*

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1700 130<sup>th</sup> Ave NE, Bellevue, WA 98005 (425) 455-0510 FAX (425) 455-0071 (800) 692-0200

## **Aiphone Wire # 871802**

**Description:** 18 gauge 2 conductors solid bare copper wire with .011" Foamed polyethylene insulation, non-shielded. Overall .015" gray polyvinylchloride jacket. Cable is made in accordance to UL standard 444, NEC listed Type CM & UL standard 14, NEC listed type CL3 & UL standard 1424, NEC listed type FPL C(UL) 60°C California State Fire Marshall Approved Suggested working voltage: 300V

### **1. Conductor**

- 1.1 Awg size & stranding: 18 Awg solid
- 1.2 Material: Bare copper

### **2. Insulation**

- 2.1 Material: Color-coded Polyethylene
- 2.2 Wall thickness: .010" The minimum average thickness shall not be less than 90% of the specified thickness.

### **3. Color Code**

- 3.1 Code: Black & Red

### **4. Assembly**

- 4.1 Pairs Lay Length: 3.00"
- 4.2 Binder: N/A
- 4.3 Shield: N/A
- 4.4 Drain: N/A

### **5. Jacket**

- 5.1 Material: Polyvinylchloride
- 5.2 Wall thickness: .015"
- 5.3 Diameter: Nominal .152"
- 5.4 Color: Gray
- 5.5 Weight: 18 lbs per mft.
- 5.6 Ripcord: Yes

### **6. Markings**

- 6.1 Type: Cables shall be identified by means of surface inkjet.
- 6.2 Legend: AIPHONE 871802 E# Awg size & # of conductors, (UL) CM/CL3/FPL C(UL) 60°C

### **7. Electrical Characteristics**

- 7.1 Capacitance: 11.05 pF/ft
- 7.2 D.C. Resistance: 6.385  $\Omega$  per 1000 feet at 68°F

*ALL MEASUREMENTS ARE NOMINAL*

Date: April 15, 2005

Written by: RG

