



## *Communication Systems*

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### **Aiphone Wire # 871804**

**Description:** 18 gauge 4 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: .011" The minimum average thickness shall not be less than 90% of the specified thickness.

#### **3. Color Code**

- 3.1 Code: Black, Red, Green, White

#### **4. Assembly**

- 4.1 Pairs Lay Length: 3.50"
- 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 .190"
- 5.4 Color: Gray
- 5.5 Weight: 35 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 871804 E# Awg size & # of conductors, (UL) CM/CL3/FPL C(UL) 60'C

#### **7. Electrical Characteristics**

- 7.1 Capacitance: 13.6 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