



## *Communication Systems*

---

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

### **Aiphone Wire # 862208**

**Description:** 22 gauge 4 twisted pairs solid bare copper wire with .015" foamed polyethylene insulation, overall aluminum mylar shield with a 24 gauge 7 strand tinned copper drain wire. 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 C(UL) 60°C California State Fire Marshall Approved Suggested working voltage: 300V

#### **1. Conductor**

- 1.1 Awg size & stranding: 22 Awg 7 strand
- 1.2 Material: Bare copper

#### **2. Insulation**

- 2.1 Material: Color-coded Foamed Polyethylene
- 2.2 Wall thickness: .015" The minimum average thickness shall not be less than 90% of the specified thickness.

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

3.1 Code: Brown twisted with Red, Orange twisted with Yellow, Green twisted with Blue, Purple twisted with Gray

#### **4. Assembly**

- 4.1 Pairs Lay Length: 1.00"
- 4.2 Cable Lay Length: 2.75"
- 4.3 Shield: Aluminum Mylar tape -100% coverage
- 4.4 Drain: 24 Awg 7 strand tinned copper wire

#### **5. Jacket**

- 5.1 Material: Polyvinylchloride
- 5.2 Wall thickness: .015"
- 5.3 Diameter: Nominal .199"
- 5.4 Color: Gray
- 5.5 Weight: 29 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 862208 E# Awg size & # of conductors, (UL) CM/CL3 C(UL) 60°C

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

- 7.1 Capacitance: 15.28 pF/ft
- 7.2 D.C. Resistance: 10.15  $\Omega$  per 1000 feet at 68°F

*ALL MEASUREMENTS ARE NOMINAL*

Date: July 25, 2005

Written by: RG