



Communication Systems

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Aiphone Wire # 862210

Description: 22 gauge 5 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: Blue, twisted with Black with a Blue stripe; Yellow, twisted with Black with a Yellow stripe; Green, twisted with Black with a Green stripe; Red, twisted with Black with a Red stripe; White, twisted with Black with a White stripe

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 .220"
- 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 862210 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 Ω per 1000 feet at 68°F

ALL MEASUREMENTS ARE NOMINAL

Date: July 25, 2005

Written by: RG