



Communication Systems

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

Aiphone Wire # 822220

Description: 22 gauge 20 conductor 7 strand bare copper wire with .007" polyvinylchloride insulation, overall aluminum mylar shield with a 24 gauge 7 strand tinned copper drain wire. Overall .020" gray polyvinylchloride jacket. Cable is made in accordance to UL standard 444, NEC listed Type CMR & UL standard 14, NEC listed type CL3R C(UL) 75°C Sunlight Resistant 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 Polyvinylchloride
- 2.2 Wall thickness: .007" The minimum average thickness shall not be less than 90% of the specified thickness.

3. Color Code

- 3.1 Code: Black, Red, Green, White, Orange, Yellow, Blue, Violet, Gray, Pink, Brown, Tan, Red with a Green stripe, Red with a Yellow Stripe, Red with a Black stripe, White with a Black stripe, White with a Red stripe, White with a Green stripe, White with an Orange stripe, White with a Blue stripe

4. Assembly

- 4.1 Lay Length: 4.00"
- 4.2 Binder: N/A
- 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: .020"
- 5.3 Diameter: Nominal .265"
- 5.4 Color: Gray
- 5.5 Weight: 69 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 822220 E# Awg size & # of conductors, (UL) CMR/CL3R C(UL) 75°C Sun Res

7. Electrical Characteristics

- 7.1 Capacitance: 44.65 pf/Ft.
- 7.2 D.C. Resistance: 17.5 Ω per 1000 feet at 68°F

ALL MEASUREMENTS ARE NOMINAL

Date: April 15, 2005

Written by: RG