



Communication Systems

6670 185th Ave NE * Redmond, WA 98052 * (425) 455-0510 * (800) 692-0200

Wire Specification Sheet

Aiphone Part # 822220

Description: 22 AWG 20 conductors 7 strands bare copper wire with PVC insulation, shielded and an overall PVC jacket for low-voltage electronic cable applications.

1. Conductor

- 1.1. AWG Size & Stranding: 22 AWG 7 Strands Class B
- 1.2. Material: Annealed Bare Copper
- 1.3. Conductor Count: 20 Conductors

2. Insulation

- 2.1. Material: Polyvinylchloride
- 2.2. Wall Thickness: 0.009"
- 2.3. Color Code: Black, Brown, Red, Orange, Yellow, Green, Blue, Purple, Gray, White, Pink, Tan, Red/Black, Red/Yellow, Red/Mint Green, White/Black, White/Red, White/Orange, White/Blue, White/Mint Green

3. Cable Assembly

- 3.1. Nominal Lay Length: 3.75" LHL (3.2 Tw/Ft)
- 3.2. Shield: Aluminum/Mylar Tape - 100% Coverage
- 3.3. Drain Wire: 24 AWG 7 Strands Tinned Copper

4. Jacket

- 4.1. Material: Polyvinylchloride
- 4.2. Wall Thickness: 0.020"
- 4.3. Diameter: 0.283" ± .020"
- 4.4. Color: Gray
- 4.5. Ripcord: Yes
- 4.6. Weight: 70 Lbs/Mft

5. Markings*

- 5.1. Type: Cable permanently identified via surface inkjet print
- 5.2. Legend: AIPHONE P/N 822220 E171202 22AWG 20C 75°C (UL)
CL3R SUN RES OR FPLR OR C(UL)US CMR FT-4
"ROHS II" MADE IN USA
- 5.3. Footage Markers: Yes

6. Standards

- 6.1. Refer to NEC (NFPA 70) article 725, 760 and article 800 for installation guidelines
- 6.2. UL listed as type CL3R per UL standard 13, type CMR c(UL)us 75°C per UL standard 444, and as type FPLR per UL standard 1424
- 6.3. All materials used in the manufacturing of this cable are RoHS II and REACH compliant
- 6.4. Maximum Operating Voltage: 300V RMS
- 6.5. Made in the USA

ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION

ALL MEASUREMENTS ARE NOMINAL