



Communication Systems

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Wire Specification Sheet

Aiphone Part # 822202

Description: 22 AWG 2 conductors 7 strands bare copper wire with PVC insulation, an aluminum/mylar shield, a stranded tinned copper drain and a 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: 2 Conductors

2. Insulation

- 2.1. Material: Polyvinylchloride
- 2.2. Wall Thickness: 0.007"
- 2.3. Color Code: Black, Red

3. Assembly

- 3.1. Nominal Lay Length: 2.50" LHL (4.80 tw/ft)
- 3.2. Shield: Aluminum/Mylar - 100% Coverage
- 3.3. Drain Wire: 24 AWG 7 Strands Tinned Copper

4. Jacket

- 4.1. Material: Polyvinylchloride
- 4.2. Wall Thickness: 0.015"
- 4.3. Diameter: 0.117" ± .010"
- 4.4. Color: Gray
- 4.5. Ripcord: Yes
- 4.6. Weight: 11 Lbs/Mft

5. Markings*

- 5.1. Type: Cable permanently identified via surface inkjet print
- 5.2. Legend: AIPHONE P/N 822202 E171202 22AWG 2C 75°C (UL)
CL3R SUN RES OR FPLR OR
(UL)US CMR FT-4 "ROHS II" MADE IN USA
- 5.3. Footage Markers: Yes

6. Electrical Characteristics

- 6.1. Impedance: 42.6 Ω/Mft ± 10%
- 6.2. Capacitance: 42.2 pF/ft
- 6.3. DC Resistance: 15.3 Ω/Mft @ 20°C

7. Standards

- 7.1. Cable suitable for installation under NEC (NFPA 70) articles 800, 725 & 760 guidelines
- 7.2. Cable suitable for installation in Canada under Section 60 of CEC, Part I
- 7.3. C(UL)US listed as CMR per UL standard 444 and per CSA C22.2 No. 214-17
- 7.4. UL listed as CL3R per UL standard 13 and FPLR per UL standard 1424
- 7.5. Cable is RoHS III complaint per Directive 2015/863/EU
- 7.6. Cable is REACH compliant per Regulation (EC) No 1907/2006 Updated July, 7 2017
- 7.7. Made in the USA

ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION

ALL MEASUREMENTS ARE NOMINAL