



Communication Systems

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Wire Specification Sheet

Aiphone Part # 862210

Description: 22 AWG 5 pair solid bare copper wire with FMPE insulation, shielded, with an overall PVC jacket for low-voltage electronic cable applications.

1. Conductor

- 1.1. AWG Size & Stranding: 22 AWG Solid
- 1.2. Material: Annealed Bare Copper
- 1.3. Conductor Count: 5 Pair

2. Insulation

- 2.1. Material: Foamed Polyethylene
- 2.2. Wall Thickness: 0.015"
- 2.3. Color Code: Black x Blue/Black,
Black x Yellow/Black, Black x Green/Black,
Black x Red/Black, Black x White/Black

3. Assembly

- 3.1. Pair Lay Length: 1.50" LHL (8.00 Tw/Ft)
- 3.2. Cable Lay Length: 2.75" LHL (4.36 Tw/Ft)
- 3.3. Shield: Aluminum Mylar - 100% Coverage
- 3.4. Drain Wire: 24 AWG 7 Strand Tinned Copper

4. Jacket

- 4.1. Material: Polyvinylchloride
- 4.2. Wall Thickness: 0.055"
- 4.3. Diameter: 0.357" ± .030"
- 4.4. Color: Gray
- 4.5. Ripcord: Yes
- 4.6. Weight: 71 Lbs/Mft

5. Markings*

- 5.1. Type: Cable permanently identified via surface inkjet print
- 5.2. Legend: AIPHONE P/N 862210 E171202 22AWG 5PR SHIELDED
75°C (UL) CL3 OR C(UL)US CM "ROHS COMPLIANT"
MADE IN USA
- 5.3. Footage Markers: Yes

6. Electricals

- 6.1. Impedance: 111 Ω ± 10%

- 6.2. Capacitance: 12.1 pF/ft.
6.3. DC Resistance: 16.1 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 CM per UL standard 444 and per CSA C22.2 No. 214-17
7.4. UL listed as CL3 per UL standard 13 and FPL 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