



Communication Systems

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

Wire Specification Sheet

Aiphone Part # 871802

Description: 18 AWG 2 conductor solid bare copper wire with FPE insulation, and overall PVC jacket for low-voltage electronic cable applications.

1. Conductor

- 1.1. AWG Size & Stranding: 18 AWG Solid
- 1.2. Material: Annealed Bare Copper
- 1.3. Conductor Count: 2 Conductors

2. Insulation

- 2.1. Material: Foam Polyethylene
- 2.2. Wall Thickness: 0.011"
- 2.3. Color Code: Black, Red

3. Assembly

- 3.1. Nominal Lay Length: 3.00" LHL (4.00 Tw/Ft)
- 3.2. Binder: N/A
- 3.3. Shield: N/A
- 3.4. Drain Wire: N/A

4. Jacket

- 4.1. Material: Polyvinylchloride
- 4.2. Wall Thickness: 0.023"
- 4.3. Diameter: 0.171" ± .015"
- 4.4. Color: Gray
- 4.5. Ripcord: Yes
- 4.6. Weight: 19 Lbs/Mft

5. Markings*

- 5.1. Type: Cable permanently identified via surface inkjet print
- 5.2. Legend: AIPHONE P/N 871802 E171202 18AWG 2C 75°C (UL)
CL3R OR FPLR OR C(UL)US CRM "ROHS COMPLIANT"
MADE IN USA
- 5.3. Footage Markers: Yes

6. Nominal Electrical Characteristics

- 6.1. Impedance: 104.6 Ω/Mft +/-10%
- 6.2. Capacitance: 13.0 pF/ft
- 6.3. DC Resistance: 6.2 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