



Communication Systems

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Wire Specification Sheet

Aiphone Part # 871802P

Description: 18 AWG 2 conductor solid bare copper wire, plenum rated PVC insulation, with an overall plenum rated PVC jacket

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: Plenum Rated Polyvinylchloride
- 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)

4. Jacket

- 4.1. Material: Plenum Rated Polyvinylchloride
- 4.2. Wall Thickness: 0.015"
- 4.3. Diameter: 0.155" ± 0.010"
- 4.4. Color: Natural
- 4.5. Ripcord: Yes
- 4.6. Weight: 18 Lbs/Mft

5. Markings*

- 5.1. Type: Cable shall be permanently identified via surface inkjet print
- 5.2. Legend: AIPHONE P/N 871802P "PLENUM" E171202 18AWG 2C
75°C (UL) CL3P OR FPLP OR C(UL)US CMP FT-6
"ROHS COMPLIANT" MADE IN USA
- 5.3. Footage Markers: Yes

6. Electricals

- 1.1. Impedance: 98 Ω ± 10%
- 1.2. Capacitance: 13 pF/ft
- 1.3. DC Resistance: 6.39 Ω/Mft @ 20°C

7. Standards

- 7.1. Cable suitable for installation under NEC (NFPA 70 & 262) article 760 and article 800 for guidelines
- 7.2. UL listed as CMP c(UL)us per UL standard 444, CL3P per UL standard 13 and FPLP per UL standard 1424
- 7.3. All materials used in the manufacture of this cable are RoHS II and REACH compliant
- 7.4. Maximum Operating Voltage: 300V RMS
- 7.5. Made in the USA

ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION

ALL MEASUREMENTS ARE NOMINAL