

Wire Specification Sheet

Aiphone Part # 872002P

Description: 20 AWG 2 conductor solid bare copper wire, FEP insulation, unshielded, and an overall plenum rated PVC jacket

1. Conductor

- 1.1. AWG Size & Stranding: 20 AWG Solid
- 1.2. Material: Annealed Bare Copper
- 1.3. Conductor Count: 2 Conductors

2. Insulation

- 2.1. Material: Fluorinated Ethylene Propylene
- 2.2. Wall Thickness: 0.008"
- 2.3. Color Code: Black, Red

3. Assembly

- 3.1. Nominal Lay Length: 1.50" LHL (8.0 tw/ft)
- 3.2. Shield: N/A
- 3.3. Drain Wire: N/A

4. Jacket

- 4.1. Material: Plenum Rated Polyvinylchloride
- 4.2. Wall Thickness: 0.015"
- 4.3. Diameter: 0.126" $\pm$ 0.010"
- 4.4. Color: Natural
- 4.5. Ripcord: Yes
- 4.6. Weight: 13 Lbs/Mft

5. Markings*

- 5.1. Type: Cable permanently identified via surface inkjet print
- 5.2. Legend: AIPHONE P/N 872002P E171202 20AWG 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 Characteristics

- 6.1. Impedance: 83 $\Omega \pm 10\%$
- 6.2. Capacitance: 18 pF/ft $\pm 10\%$
- 6.3. DC Resistance: 10.1 Ω /Mft @ 20°C

7. Standards

- 7.1. Refer to NEC (NFPA 70) article 725 and article 800 for installation 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 & 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