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 75ºC (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 compliant 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