Wire Specification Sheet

Aiphone Part # 851602DBW

Description: 16 AWG 2 conductors solid bare copper wire with foamed PE insulation, unshielded with a water blocking tape barrier and an overall PVC jacket for low-voltage electronic cable applications.

1. Conductor
   1.1. AWG Size & Stranding: 16 AWG Solid
   1.2. Material: Annealed Bare Copper
   1.3. Conductor Count: 2 Conductors

2. Insulation
   2.1. Material: Foamed PE
   2.2. Wall Thickness: 0.015”
   2.3. Color Code: Black, Red

3. Cable Assembly
   3.1. Nominal Lay Length: 2.50” LHL (4.80 Tw/Ft)
   3.2. Shield: N/A
   3.3. Drain Wire: N/A
   3.4. Barrier: Water Blocking Tape - 100% Coverage

4. Jacket
   4.1. Material: Polyvinylchloride
   4.2. Wall Thickness: 0.025”
   4.3. Diameter: 0.238” ± .020”
   4.4. Color: Gray
   4.5. Ripcord: Yes
   4.6. Weight: 31 Lbs/Mft

5. Markings*
   5.1. Type: Cable permanently identified via surface inkjet print
   5.2. Legend: AIPHONE P/N 851602DBW 16AWG 2C 75°C (UL) CL3 SUN RES OR FPL OR C(UL)US CM SUITABLE FOR WET LOCATIONS AND DIRECT BURIAL “ROHS II” MADE IN USA
   5.3. Footage Markers: Yes

6. Nominal Electrical Characteristics
   6.1. Impedance: 100 Ω
6.3. Conductor DCR: 4.02 Ω/Mft. @ 20°C Maximum

7. Standards
7.1. Refer to NEC (NFPA 70) article 725, 760 and article 800 for installation guidelines
7.2. UL listed as type CL3 per UL standard 13, type CM c(UL)us 75°C per UL standard 444, and as type FPL per UL standard 1424
7.3. All materials used in the manufacturing 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