

Description: 2 pairs 24 AWG stranded bare copper, PVC insulated, shielded and PVC jacket cabled with 1 triad 14 AWG stranded bare copper, PVC insulated, shielded and PVC jacket, overall PVC jacket

Part Number: STC2A1P14

## 1. Audio pair

### 1.1. Conductor

1.1.1 AWG Size and Stranding: 24 AWG 40 strands 40 AWG

1.1.2 Material: Bare annealed copper

### 1.2. Insulation

1.2.1 Material: polyvinyl chloride

1.2.2 Wall Thickness: .010" nominal

1.2.3 Diameter: .044" nominal

### 1.3. Color Code

1.3.1 Code: Each pair black and red.

### 1.4 Pair Assembly

1.4.1 Lay Length: 2" left hand

### 1.5 Shield

1.5.1 Type: Composite foil and copper serve

1.5.2 Foil material: Aluminum/polyester tape, aluminum side out

1.5.3 Copper braid: Tinned annealed copper, 55% coverage

1.5.4 Effective Shield Coverage: 100%

## 1.6. Pair Jacket

1.6.1 Material: Polyvinyl chloride

1.6.2 Wall Thickness: .025" nominal

1.6.3 Diameter: .160" nominal

1.6.4 Color code: White and red

## 2. Power Cable

### 2.1. Conductor

2.1.1 AWG Size and Stranding: 14 AWG 41 strands 30 AWG

2.1.2 Material: Bare annealed copper

### 2.2. Insulation

2.2.1 Material: Polyvinyl Chloride

2.2.2 Diameter: .108" nominal

Dr. No.: 038Q-02

By: TRM

Date: 02/07/13

Page 1 of 2

- 2.3 Assembly
  - 2.3.1 Assembly: Cabled with 3" left hand lay
  - 2.3.2 Color Code: Black, white, green with yellow stripe
  - 2.3.2 Shield
    - 2.3.2.1 Type: Foil and drain wire
    - 2.3.2.2 Material: Aluminum/polyester tape and 18 AWG tinned copper drain wire.
- 2.4 Jacket
  - 2.4.1 Material: Polyvinyl chloride
  - 2.4.2 Wall Thickness: .025" nominal
  - 2.4.3 Diameter: .290" nominal
- 3. Assembly
  - 3.1 Lay Length: 12" nominal left hand
  - 3.2 Fillers: Fibrillated polyethylene as required
  - 3.3 Separator: .001" paper tape applied helically with 20% overlap
- 4. Jacket
  - 4.1 Material: Black matte polyvinyl chloride
  - 4.2 Wall Thickness: .060"
  - 4.3 Diameter: .550" nominal
- 5. Markings
  - 5.1 Type: Surface printing in white ink
  - 5.2 Legend: ProCo Siamese Twins 2A1P14 Audio/Power Composite Cable
- 6. Electrical Specifications (Audio pair)
  - 6.1 Capacitance @ 1 kHz:
    - 6.1.1 Between conductors: 41 pF/ft.
    - 6.1.2 Conductor to shield: 54 pF/ft.
  - 6.2 Characteristic Impedance: 50 ohms nominal
  - 6.3 Resistance at 20C: 26.5 ohms/1000 ft.
  - 6.4 Voltage Rating: 300 Volts
  - 6.5 Temperature Rating: 75C maximum