



## 2 CONDUCTOR 24 AWG STRANDED OVERALL SHIELDED / BRAID



## LOW SMOKE ZERO HALOGEN

### 1.0 SCOPE:

- 1.1 This cable consists of 2 conductor 24 AWG stranded tinned copper; color-coded Polyethylene insulation; overall aluminum mylar shield with drain wire; braid shield; overall low smoke zero halogen Polyolefin jacket.

RoHS III & REACH Compliant

### 2.0 CONSTRUCTION:

#### 2.1 CONDUCTOR:

- 2.1.1 Material: Tinned Copper
- 2.1.2 Size: 24 AWG
- 2.1.3 Construction: 7 Strand

#### 2.2 INSULATION:

- 2.2.1 Material: Polyethylene
- 2.2.2 Wall Thickness: .023"
- 2.2.3 Color code:
  - 1-White/Blue
  - 2-Blue/White

#### 2.3 ASSEMBLY:

- 2.3.1 Lay Length: 2.50" LHL (4.8 tw/ft)

#### 2.4 SHIELD:

- 2.4.1 Material: Aluminum Mylar
- 2.4.2 Coverage: 100%

### 2.5 DRAIN:

- 2.5.1 Material: Tinned Copper
- 2.5.2 Size: 24 AWG
- 2.5.3 Construction: 7 Strand

### 2.6 BRAID:

- 2.6.1 Material: Tinned Copper
- 2.6.2 Coverage: 90%

### 2.7 JACKET:

- 2.7.1 Material: Low Smoke Zero Halogen Polyolefin
- 2.7.2 Wall Thickness: .035"
- 2.7.3 OD: .231" nom.
- 2.7.4 Color: Gray
- 2.7.5 Ripcord under jacket
- 2.7.6 Markings: PAIGE #459841NH 24AWG 2C SHIELDED 75'C 300V LSZH ROHS COMPLIANT MADE IN USA (Ascending/Descending footage markers)

### 2.8 ELECTRICALS:

- 2.8.1 Impedance: 120 ohms +/- 15%
- 2.8.2 Capacitance: 12.8 pF/ft. (Cond to Cond) nom.
- 2.8.3 DC Resistance: 78.7 ohms/km @ 20°C
- 2.8.4 Voltage: 300 Volts max.

### 2.9 STANDARDS:

- 2.9.1 Cable meets or exceeds the requirements of IEC 60754-1, IEC 61034-1, IEC 61034-2, IEC 60754-2 & IEC 60332-1

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