



# Specification Sheet

## Lake Cable Part #: AVB24DMX4C

**Description:** 24 AWG 4 conductors 7 strand tinned copper, foamed PP insulation, an aluminum/Mylar shield, a tinned copper drain wire, a tinned copper braid shield and an overall matte finish TPE jacket for remote of permanent installations of DMX512 lighting control applications. Made in USA

### 1. Conductor

- 1.1.AWG & Stranding: 24 AWG 7 Strands Class B
- 1.2.Material: Annealed Tinned Copper
- 1.3.Conductors Count: 4 Conductors

### 2. Insulation

- 2.1.Material: Foamed Polypropylene
- 2.2.Wall Thickness: 0.022"
- 2.3.Color Code: Black, White, Red & Blue

### 3. Assembly

- 3.1.Nominal Lay Length: 2.50" Left Hand Lay (4.8 tw/ft)
- 3.2.Fillers: Cotton Fillers - as Necessary for a Circular Cross-Section
- 3.3.Shield: Aluminum/Mylar - 100% Coverage
- 3.4.Drain Wire: 24 AWG 7 Strand Tinned Copper
- 3.5.Braid: 90% Coverage - Tinned Copper Braid

### 4. Jacket

- 4.1.Material: Pressure Extruded Thermoplastic Elastomer
- 4.2.Wall Thickness: 0.040" Pressure
- 4.3.Diameter: 0.270" ± 0.010"
- 4.4.Color: Black Matte Finish
- 4.5.Ripcord: Not Required
- 4.6.Weight: 45 lbs/Mft

### 5. Markings

- 5.1.Type: Cable permanently identified via surface legend with silver ink
- 5.2.Legend: LAKE CABLE AVB24DMX4C DMX512 RS-485 LIGHTING CONTROL CABLE  
MADE IN THE USA ROHS COMPLIANT
- 5.3.Footage markers: Yes, on opposite side of legend

### 6. Nominal Electrical Characteristics

- 6.1.DC Resistant: 28.7 Ω /Mft @ 20° C
- 6.2.Impedance: 120 Ω
- 6.3.Capacitance: 11.5 pF/ft. +/-10%
- 6.4.Propagation Velocity: 76%

### 7. Standards

- 7.1.Meets or Exceeds USITT Standards for DMX512 Lighting Control
- 7.2.All materials used in the manufacture of this cable are RoHS compliant
- 7.3.Maximum operating voltage: 300V
- 7.4.Made in the USA

Your signature constitutes that you have read and agreed to this specification sheet and upon confirmation of your order; this item may be non-cancelable and non-returnable.

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Company

**ALL SPECIFIED PARAMETERS ARE NOMINAL AND SUBJECT TO VERIFICATION**