



Product: [1696A](#)

Digital Audio Cable, 1 Pr #22, Str TC, Foil + Braid, PVC Jkt

Product Description

Digital Audio Cable, 1 Pair 22 AWG (7 x 30) Tinned Copper, Datalene® Insulation, Overall Beldfoil® Shield, 90% Tinned Copper Braid Shield, PVC jacket

Technical Specifications

Product Overview

| | |
|------------------------|--|
| Suitable Applications: | Digital audio, Interconnect between audio equipment such as microphones, speakers, amplifiers, mixing consoles |
|------------------------|--|

Construction Details

Conductor

| Element | Number of Element | Size | Stranding | Material |
|---------|-------------------|--------|-----------|--------------------|
| Pair(s) | 1 | 22 AWG | 7x30 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code | Notes |
|---------|--------------------------|--------------------|--------------------------|--------------|-------|
| Pair(s) | PE - Polyethylene (Foam) | 0.027 in (0.69 mm) | 0.082 in (2.1 mm) | Blue & White | HDPE |

Outer Shield

| Shield Type | Material | Coverage | Drainwire Type |
|-------------|-------------------------|----------|------------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 24 AWG (7x32) TC |
| Braid | Tinned Copper (TC) | 90% | |

Outer Jacket

| Material | Nom. Thickness | Nom. Diameter |
|--------------------------|--------------------|--------------------|
| PVC - Polyvinyl Chloride | 0.025 in (0.64 mm) | 0.235 in (5.97 mm) |

| | |
|-----------------------------------|--------------------|
| Overall Cable Diameter (Nominal): | 0.235 in (5.97 mm) |
|-----------------------------------|--------------------|

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Other (Conds + Shield) | Nom. Characteristic Impedance | Nom. Velocity of Prop. | Max. Current |
|---------|--------------------|-------------------------------|---|-------------------------------|------------------------|-----------------------------|
| Pair(s) | 18.2 Ohm/1000ft | 13 pF/ft (43 pF/m) | 26 pF/ft (85 pF/m) | 110 Ohm | 76% | 6 Amps per conductor @ 30°C |

Voltage

| |
|--------------------------|
| UL Voltage Rating |
| 300 V |

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|----------------|
| 60°C | -30°C to +60°C |

Bend Radius

| Stationary Min. | Installation Min. |
|-----------------|-------------------|
| | |

| | |
|----------------|----------------|
| 2.4 in (61 mm) | 2.4 in (61 mm) |
|----------------|----------------|

| | |
|--------------------|--------------------|
| Max. Pull Tension: | 23.7 lbs (10.8 kg) |
| Bulk Cable Weight: | 31 lbs/1000ft |

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor (Not Riser or Plenum), Indoor |
| Flammability / Reaction to Fire: | IEC 60332-1-2 |
| CPR Compliance: | CPR Euroclass: Eca |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| UK Regulation Compliance: | UKCA Mark |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |
| Other Standard Compliance(s): | AES/EBU |

Product Notes

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| Notes: | Cabling has two rod fillers for improved electrical performance. |
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History

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| Update and Revision: | Revision Number: 0.474 Revision Date: 01-20-2023 |
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Part Numbers

Variants

| Item # | Color | Putup Type | Length | UPC |
|----------------|--------------|------------|----------|--------------|
| 1696A B59250 | Black, Matte | Reel | 250 ft | 612825121329 |
| 1696A B59500 | Black, Matte | Reel | 500 ft | 612825121336 |
| 1696A B591000 | Black, Matte | Reel | 1,000 ft | 612825121312 |
| 1696A B59U1000 | Black, Matte | Reel | 1,000 ft | 612825121305 |

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