



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 | No. of Elements | 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 Impedence | 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

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

History

|                      |  |
|----------------------|--|
| Update and Revision: | Revision Number: 0.477 Revision Date: 02-15-2024 |
|----------------------|--|

Part Numbers

Variants

| Item #         | Color        | Putup Type | Length   | UPC          | Footnote |
|----------------|--------------|------------|----------|--------------|----------|
| 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 | C        |
| 1696A B59U1000 | Black, Matte | Reel       | 1,000 ft | 612825121305 |          |

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