

Product: [7880A](#) 

Audio Snake Cable, #26-8pr, TC, Individ. Shielded, CM



Product Description

Digital Audio Snake Cable, CM-Rated, 8-26 AWG tinned copper pairs, Datalene® insulation, individually shielded with Beldfoil® bonded to numbered/color-coded PVC jackets so both strip simultaneously, PVC jacket

Technical Specifications

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | Nominal Diameter | No. of Pairs |
|-----|-----------|--------------------|------------------|--------------|
| 26 | 7x34 | TC - Tinned Copper | 0.019 in | 8 |

Conductor Count: 16

Insulation

| Material | Material Trade Name | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|---------------------|------------------|------------------------|
| PE - Polyethylene (Foam) | Datalene® | 0.054 in | 0.0175 in |

Color Chart

| Number | Color |
|--------|-----------------------|
| 1 | Brown and Numbered 1 |
| 2 | Red and Numbered 2 |
| 3 | Orange and Numbered 3 |
| 4 | Yellow and Numbered 4 |
| 5 | Green and Numbered 5 |
| 6 | Blue and Numbered 6 |
| 7 | Purple and Numbered 7 |
| 8 | Gray and Numbered 8 |

Inner Shield Material

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire Diameter | Drainwire AWG | Drainwire Construction n x D |
|------|-------------------------|---------------------|--------------|--------------------|--------------------|---------------|------------------------------|
| Tape | Bi-Laminate (Alum+Poly) | Beldfoil® | 100% | TC - Tinned Copper | 0.019 in | 26 | Stranded |

Table Notes: Individ. Foil tapes bonded to inner jacket

Inner Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.136 in | 0.014 in |

Outer Shield Material

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire Diameter | Drainwire AWG | Drainwire Construction n x D |
|------|-------------------------|---------------------|--------------|--------------------|--------------------|---------------|------------------------------|
| Tape | Bi-Laminate (Alum+Poly) | Beldfoil® | 100% | TC - Tinned Copper | 0.019 in | 26 | Stranded |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness | Ripcord |
|--------------------------|------------------|------------------------|---------|
| PVC - Polyvinyl Chloride | 0.541 in | 0.044 in | Yes |

Electrical Characteristics

Conductor DCR

| Individual Pair Nominal Shield DCR | Nominal Conductor DCR | Nominal Conductor DCR Conductor Resistance |
|------------------------------------|-----------------------|--|
| 25.5 Ohm/1000ft | 37.3 Ohm/1000ft | 37.3 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 13 pF/ft | 25 pF/ft |

Inductance

| Nominal Inductance |
|--------------------|
| 0.25 μ H/ft |

Impedance

| Nominal Characteristic Impedance |
|----------------------------------|
| 110 Ohm |

High Frequency (Nominal/Typical)

| Frequency [MHz] | Nom. Insertion Loss |
|-----------------|---------------------|
| 0.384 MHz | 0.84 dB/100ft |
| 0.7056 MHz | 1.14 dB/100ft |
| 0.768 MHz | 1.18 dB/100ft |
| 1.024 MHz | 1.34 dB/100ft |
| 1.4112 MHz | 1.5 dB/100ft |
| 1.536 MHz | 1.54 dB/100ft |
| 2.048 MHz | 1.69 dB/100ft |
| 2.8224 MHz | 1.86 dB/100ft |
| 3.072 MHz | 1.92 dB/100ft |
| 4.096 MHz | 2.14 dB/100ft |
| 5.6448 MHz | 2.4 dB/100ft |
| 6.144 MHz | 2.47 dB/100ft |
| 8.192 MHz | 2.75 dB/100ft |
| 11.2896 MHz | 3.09 dB/100ft |
| 12.288 MHz | 3.18 dB/100ft |
| 24.576 MHz | 4.2 dB/100ft |

High Freq

| Frequency [MHz] |
|-----------------|
| 0.384 MHz |
| 0.7056 MHz |
| 0.768 MHz |
| 1.024 MHz |
| 1.4112 MHz |
| 1.536 MHz |
| 2.048 MHz |
| 2.8224 MHz |
| 3.072 MHz |
| 4.096 MHz |
| 5.6448 MHz |
| 6.144 MHz |
| 8.192 MHz |
| 11.2896 MHz |
| 12.288 MHz |
| 24.576 MHz |

Temperature Range

| | |
|-----------------------|----------------|
| Operating Temp Range: | -30°C To +80°C |
|-----------------------|----------------|

Mechanical Characteristics

| | |
|-----------------------------|----------------|
| Bulk Cable Weight: | 100 lbs/1000ft |
| Max. Pull Tension: | 84 lbs |
| Min Bend Radius/Minor Axis: | 5.5 in |

Standards

| | |
|-----------------------|-----|
| NEC/(UL) Compliance: | CM |
| CEC/C(UL) Compliance: | CM |
| CPR Euroclass: | Eca |

Applicable Environmental and Other Programs

| | |
|--|-------------------------------|
| Environmental Space: | Indoor (Not Riser or Plenum) |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/11/EC (BFR): | Yes |
| EU Directive 2011/65/EU (RoHS 2): | Yes |
| EU Directive 2012/19/EU (WEEE): | Yes |
| EU Directive 2015/863/EU (RoHS 2 amendment): | Yes |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |
| EU RoHS Compliance Date (yyyy-mm-dd): | 2004-01-01 |
| MII Order #39 (China RoHS): | Yes |

Suitability

| | |
|-----------------------|-----|
| Suitability - Indoor: | Yes |
|-----------------------|-----|

Flammability, LS0H, Toxicity Testing

| | |
|-------------------|--------------------|
| UL Flammability: | UL 1685 UL Loading |
| CSA Flammability: | FT4 |
| IEC Flammability: | IEC 60332-1-2 |

Plenum/Non-Plenum

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

Part Number

Variants

| Item # | Color | Putup Type | Length | UPC |
|---------------|------------|------------|----------|--------------|
| 7880A Z4B2000 | Violet | Reel | 2,000 ft | 612825190523 |
| 7880A Z4B250 | Violet Z4B | Reel | 250 ft | 612825190530 |
| 7880A Z4B500 | Violet Z4B | Reel | 500 ft | 612825190691 |
| 7880A Z4B1000 | Violet Z4B | Reel | 1,000 ft | 612825434160 |

| | |
|-----------|------------------------|
| Footnote: | C - CRATE REEL PUT-UP. |
|-----------|------------------------|

Product Notes

| | |
|--------|---|
| Notes: | Pair jackets and shields are bonded so both strip simultaneously with automatic stripping equipment. Datalene® insulation features include low dielectric constant and a dissipation factor for high-speed, low-distortion data handling. Physical properties include good crush resistance and light weight. |
|--------|---|

History

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| Update and Revision: | Revision Number: 0.276 Revision Date: 03-16-2021 |
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