



Part Number: 1852F

Audio Snake Cable, #24-24pr, TC, Indiv. Shielded, CMG

Product Description

Digital Audio Snake Cable, CMG-Rated, 24-24 AWG tinned copper pairs, Datalene® insulation, individually shielded with Beldfoil, numbered/color-coded PVC jackets, flexible PVC jacket

Technical Specifications

Construction and Dimensions

Conductor:

| AWG | Stranding | Material | Nominal Diameter | No. of Pairs |
|-----------------------------|-----------|--------------------|------------------|--------------|
| 24 | 7x32 | TC - Tinned Copper | 0.024 in | 24 |
| Total Number of Conductors: | | | 48 | |

Insulation:

| Material | Material Trade Name | Nominal Diameter |
|--|---------------------|------------------|
| FHDPE - Foam High Density Polyethylene | Datalene® | 0.068 in |

Color Chart 1:

| 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 |
| 9 | White and Numbered 9 |
| 10 | Black and Numbered 10 |
| 11 | Tan and Numbered 11 |
| 12 | Pink and Numbered 12 |
| 13 | Gray/Brown Stripe and Numbered 13 |
| 14 | Gray/Red Stripe and Numbered 14 |
| 15 | Gray/Orange Stripe and Numbered 15 |
| 16 | Gray/Yellow Stripe and Numbered 16 |
| 17 | Gray/Green Stripe and Numbered 17 |
| 18 | Gray/Blue Stripe and Numbered 18 |
| 19 | Gray/Purple Stripe and Numbered 19 |
| 20 | Gray/Gray Stripe and Numbered 20 |
| 21 | Gray/White Stripe and Numbered 21 |
| 22 | Gray/Black Stripe and Numbered 22 |
| 23 | Gray/Tan Stripe and Numbered 23 |
| 24 | Gray/Pink Stripe and Numbered 24 |

Color Chart 2:

| Number | Number |
|--------|-------------|
| 1 | Red & Black |
| 2 | Red & Black |
| 3 | Red & Black |
| 4 | Red & Black |
| 5 | Red & Black |
| 6 | Red & Black |
| 7 | Red & Black |
| 8 | Red & Black |
| 9 | Red & Black |
| 10 | Red & Black |
| 11 | Red & Black |
| 12 | Red & Black |
| 13 | Red & Black |
| 14 | Red & Black |
| 15 | Red & Black |
| 16 | Red & Black |
| 17 | Red & Black |
| 18 | Red & Black |
| 19 | Red & Black |
| 20 | Red & Black |
| 21 | Red & Black |
| 22 | Red & Black |
| 23 | Red & Black |
| 24 | Red & Black |

Innershield:

| Type | Material | Material Trade Name | Coverage [%] | Drainwire AWG | Drainwire Construction n x D |
|------|-------------------------------------|---------------------|--------------|--------------------|------------------------------|
| Tape | Bonded Aluminum Foil-Polyester Tape | Beldfoil® | 100 % | 24 | Stranded mm |
| | | | | TC - Tinned Copper | |

Innerjacket:

| Material | Nominal Diameter |
|--------------------------|------------------|
| PVC - Polyvinyl Chloride | 0.167 in |

Outershield 1:

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|------------------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Aluminum Foil-Polyester Tape | Beldfoil® | 100 % | TC - Tinned Copper | 16 | Stranded mm |

Outerjacket 1:

| Material | Nominal Diameter | Ripcord |
|--------------------------|------------------|---------|
| PVC - Polyvinyl Chloride | 1.21 in | Yes |

Electrical Characteristics

Conductor DCR:

| Nominal Conductor DCR |
|-----------------------|
| 23.7 Ohm/1000ft |

Capacitance:

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 12 pF/ft | 26 pF/ft |

Impedance:

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

High Frequency (Nominal/Typical):

| Nom. Insertion Loss |
|---------------------|
| 0.69 dB/100ft |
| 0.93 dB/100ft |
| 0.96 dB/100ft |
| 1.07 dB/100ft |
| 1.19 dB/100ft |
| 1.21 dB/100ft |
| 1.31 dB/100ft |
| 1.41 dB/100ft |
| 1.45 dB/100ft |
| 1.57 dB/100ft |
| 1.76 dB/100ft |
| 1.83 dB/100ft |
| 2.01 dB/100ft |
| 2.24 dB/100ft |
| 2.3 dB/100ft |
| 3.08 dB/100ft |

Delay:

| Nominal Velocity of Propagation (VP) [%] |
|--|
| 76 % |

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 |

Inductance:

| Nominal Inductance |
|--------------------|
| 0.18 μ H/ft |

Use

| | |
|----------------------------------|---------|
| Max Recommended Pulling Tension: | 400 lbs |
|----------------------------------|---------|

Safety

| | |
|-------------------|--------------------|
| CSA Flammability: | FT4 |
| UL Flammability: | UL1685 FT4 Loading |

Temperature Range

| | |
|-----------------------|-------------------|
| Operating Temp Range: | -30°C To +60°C °C |
| UL Temp Rating: | 60°C °C |

Mechanical Characteristics

| | |
|-----------------------------|--------|
| Min Bend Radius/Minor Axis: | 9.5 in |
|-----------------------------|--------|

Part Number

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

Standards

| | |
|-----------------------------------|-------------------------------|
| CA Prop 65 (CJ for Wire & Cable): | Yes |
| CEC/C(UL) Specification: | CMG |
| MII Order #39 (China RoHS): | Yes |
| NEC/(UL) Specification: | CMG |
| Other Specification: | AES/EBU |
| EU Directive Compliance: | EU Directive 2003/11/EC (BFR) |
| EU CE Mark: | Yes |

History

| | |
|--------|---|
| 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. |
|--------|---|

Product Variants

| Part Number | Color | Put-Up Type | Length |
|---------------|------------|-------------|---------|
| 1852F | VIOLET Z4B | Reel | 1000 ft |
| 1852F | VIO Z4B | Reel | 305 m |
| 1852F Z4B1000 | VIOLET Z4B | Reel | 1000 ft |
| 1852F | VIOLET Z4B | Reel | 500 ft |
| 1852F | VIO Z4B | Reel | 152 m |
| 1852F Z4B500 | VIOLET Z4B | Reel | 500 ft |
| 1852F | | | |

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