



Product: [9991](#)

Audio, Control & Instrument, #24-6pr, PO, Individ. Foil, PVC Jkt, CM

Product Description

Audio, Control & Instrument Cable, 24 AWG stranded (7x32) tinned copper conductors, polyethylene insulation, twisted pairs, individually shielded with Beldfoil® (100% coverage), 24 AWG stranded tinned copper drain wire, PVC jacket.

Technical Specifications

Product Overview

| | |
|------------------------|---|
| Suitable Applications: | low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; computer communication; panel wiring |
|------------------------|---|

Physical Characteristics (Overall)

Conductor

| AWG | Stranding | Material | No. of Pairs |
|-----|-----------|--------------------|--------------|
| 24 | 7x32 | TC - Tinned Copper | 6 |

| | |
|------------------|----|
| Conductor Count: | 12 |
|------------------|----|

Insulation

| Material | Nominal Wall Thickness |
|-------------------|------------------------|
| PE - Polyethylene | 0.011 in |

Color Chart

| Number | Color |
|--------|----------------|
| 1 | Black & Red |
| 2 | Black & White |
| 3 | Black & Green |
| 4 | Black & Blue |
| 5 | Black & Yellow |
| 6 | Black & Brown |

Inner Shield Material

| Type | Material | Material Trade Name | Coverage [%] | Drainwire Material | Drainwire AWG | Drainwire Construction n x D |
|------|-------------------------|---------------------|--------------|--------------------|---------------|------------------------------|
| Tape | Bi-Laminate (Alum+Poly) | Beldfoil® (Z-Fold®) | 100% | TC - Tinned Copper | 24 | Stranded |

Outer Jacket Material

| Material | Nominal Diameter | Nominal Wall Thickness |
|--------------------------|------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.33 in | 0.035 in |

Electrical Characteristics

Conductor DCR

| Individual Pair Nominal Shield DCR | Nominal Conductor DCR |
|------------------------------------|-----------------------|
| 18 Ohm/1000ft | 24 Ohm/1000ft |

Capacitance

| Nom. Capacitance Conductor to Conductor | Nom. Capacitance Conductor to Other Conductor to Shield |
|---|---|
| 25 pF/ft | 47 pF/ft |

Impedance

Nominal Characteristic Impedance

60 Ohm

Delay

Max. Delay Skew

66 ns/100m

Current

Max. Recommended Current [A]

1.1 Amps per Conductor at 25°C

Voltage

| UL Description | UL Voltage Rating |
|-------------------|------------------------------|
| UL AWM Style 2919 | 30 V RMS (UL AWM Style 2919) |
| CM | 300 V RMS (CM) |

Temperature Range

| | |
|-----------------------|--------------------------|
| UL Temp Rating: | 80°C (UL AWM Style 2919) |
| Operating Temp Range: | -20°C To +80°C |

Mechanical Characteristics

| | |
|-----------------------------|---------------|
| Bulk Cable Weight: | 58 lbs/1000ft |
| Min Bend Radius/Minor Axis: | 3.5 in |

Standards

| | |
|--------------------------|------------------|
| NEC/(UL) Compliance: | CM |
| CEC/C(UL) Compliance: | CM |
| UL AWM Style Compliance: | 2919 (30 V 80°C) |
| CPR Euroclass: | Eca |

Applicable Environmental and Other Programs

| | |
|---------------------------------------|-------------------------------|
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2003/96/EC (BFR): | Yes |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2012/19/EU (WEEE): | 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 |

Flammability, LSOH, Toxicity Testing

| | |
|--------------------|------------------------------|
| UL Flammability: | UL1685 UL Loading |
| IEC Flammability: | IEC 60332-1-2 |
| UL voltage rating: | 30 V RMS (UL AWM Style 2919) |

Plenum/Non-Plenum

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

Part Number

Variants

| Item # | Color | UPC |
|--------------|--------|--------------|
| 9991 060100 | Chrome | 612825267706 |
| 9991 0601000 | Chrome | 612825267713 |
| 9991 060500 | Chrome | 612825267720 |

Footnote: C - CRATE REEL PUT-UP.

History

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| Update and Revision: | Revision Number: 0.254 Revision Date: 08-25-2020 |
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