



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
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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

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	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 Nominal Velocity of Propagation (VP) [%]

66 ns/100m

66%

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 2): Yes

EU Directive 2012/19/EU (WEEE): Yes

EU Directive Compliance: EU Directive 2003/11/EC (BFR)

EU CE Mark: Yes

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

Update and Revision: Revision Number: 0.331 Revision Date: 08-27-2021

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