



**Product:** [9566](#)

Audio, Control & Instrument, #24-6pr, PVC, PVC Jkt, CMG

## Product Description

Audio, Control & Instrument Cable, 24 AWG solid tinned copper conductors, PVC insulation, twisted pairs, PVC jacket.

## Technical Specifications

### Product Overview

Suitable Applications:	telephone cables; low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...); voice communications
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Pairs
24	Solid	TC - Tinned Copper	6

Conductor Count:	12
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#### Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.01 in

#### Color Chart

Number	Color
1	White & Blue
2	White & Orange
3	White & Green
4	White & Brown
5	White & Gray
6	Red & Blue

#### Color Chart 2

Number
14

#### Outer Shield Material

Material
No Shield

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.289 in	0.032 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
24.4 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Mutual Capacitance
22 pF/ft	14 pF/ft

#### Current

Max. Recommended Current [A]
1.4 Amps per Conductor at 20°C

#### Voltage

UL Description	UL Voltage Rating
CMG	300 V RMS (CMG)
UL AWM Style 2576	150 V RMS (UL AWM Style 2576)

#### Temperature Range

Non-UL Temp Rating:	80°C
Operating Temp Range:	-20°C To +80°C

#### Mechanical Characteristics

Bulk Cable Weight:	40 lbs/1000ft
Max. Pull Tension:	61 lbs
Min. Bend Radius During Installation:	14 in
Min. Bend Radius/Minor Axis:	3 in

#### Standards

NEC/(UL) Compliance:	CMG
CEC/C(UL) Compliance:	CMG
UL AWM Style Compliance:	2576 (150 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
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

#### Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 FT4 Loading
CSA Flammability:	FT4
IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS (CMG)

#### Plenum/Non-Plenum

Plenum (Y/N):	No
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#### Part Number

#### Variants

Item #	Color	Putup Type	Length	UPC
9566 060500	Chrome	Reel	500 ft	612825256052
9566 060U500	Chrome	UnReel	500 ft	612825256038
9566 0601000	Chrome	Reel	1,000 ft	612825256045
9566 060U1000	Chrome	UnReel	1,000 ft	612825256021

Footnote:	C - CRATE REEL PUT-UP.
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#### History

Update and Revision:	Revision Number: 0.246 Revision Date: 05-26-2021
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