



**Product:** [8768](#)

Audio, Control & Instrument, #22-6pr, PVC, Indv. Foil, PVC Jkt, CMG

## Product Description

Audio, Control & Instrument Cable, 22 AWG solid conductors, PVC insulation, tinned copper, twisted pairs, individually shielded with Beldfoil® (100% coverage), 22 AWG solid tinned copper drain wire, overall 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
22	Solid	TC - Tinned Copper	6

Conductor Count:	12
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#### Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.013 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®	100%	TC - Tinned Copper	22	Solid

#### Outer Shield Material

Material	Drainwire Construction n x D
No Shield	Solid

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.379 in	0.037 in

### Electrical Characteristics

#### Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR
12 Ohm/1000ft	16.7 Ohm/1000ft

## Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
40 pF/ft	77 pF/ft

## Inductance

Nominal Inductance
0.19 µH/ft

## Current

Max. Recommended Current [A]
2 Amps per Conductor at 25°C

## Temperature Range

UL Temp Rating:	80°C (UL AWM Style 2464)
Operating Temp Range:	-20°C To +80°C

## Mechanical Characteristics

Bulk Cable Weight:	77 lbs/1000ft
Max. Pull Tension:	140 lbs
Min Bend Radius/Minor Axis:	4 in

## Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CMG
CEC/C(UL) Compliance:	CMG
UL AWM Style Compliance:	2464 (300 V 80°C)

## 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):	2005-04-01
MII Order #39 (China RoHS):	Yes

## Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 FT4 Loading
CSA Flammability:	FT4

## Plenum/Non-Plenum

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

### Variants

Item #	Color	Putup Type	Length	UPC
8768 060500	Chrome	Reel	500 ft	612825215516
8768 0601000	Chrome	Reel	1,000 ft	612825215509
8768 0605000	Chrome	Reel	5,000 ft	612825215523

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

Update and Revision:	Revision Number: 0.245 Revision Date: 02-16-2021
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