



REPRESENTATIVE IMAGE

**Product:** [8441](#)

Audio, Control and Instrumentation Cable, 1 Pr #22 Str TC, 85% TC Braid, PVC Jkt, CMG

## Product Description

Audio, Control & Instrumentation Cable, 1 Pair 22 AWG (7 x 30) Tinned Copper, PVC insulation, 85% Tinned Copper Braid Shield, PVC Jacket, CMG

## Technical Specifications

### Product Overview

Suitable Applications:	Audio/Speaker, Control & Instrumentation
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### Construction Details

#### Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	1	22 AWG	7x30	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Thickness	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.016 in (0.41 mm)	Black & Red

#### Outer Shield

Shield Type	Material	Coverage	Drainwire Type	Notes
Braid	Tinned Copper (TC)	85%	22 AWG (19x34) TC	Polyester tape under braid

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.025 in (0.64 mm)	0.194 in (4.93 mm)

Overall Cable Diameter (Nominal):	0.194 in (4.93 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Max. Current
Pair(s)	16.3 Ohm/1000ft (53.5 Ohm/km)	49 pF/ft (160 pF/m)	86 pF/ft (280 pF/m)	45 Ohm	2.9 Amps per conductor @ 25°C

#### Voltage

UL Voltage Rating
300 V (CMG, UL AWM 2095)

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating
80°C (UL AWM 2095)	-20°C to +80°C

#### Bend Radius

Stationary Min.	Installation Min.
1.9 in (48 mm)	1.9 in (48 mm)

Max. Pull Tension:	57 lbs (26 kg)
Bulk Cable Weight:	25 lbs/1000ft (37 kg/km)

## Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor
Flammability / Reaction to Fire:	UL1685 (FT4 Loading), FT4, IEEE 1202, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	AMW 2095
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.333 Revision Date: 04-08-2022
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC
8441 010100	Black	Reel	100 ft	612825207184
8441 010500	Black	Reel	500 ft	612825207207
8441 010U500	Black	UnReel	500 ft	612825207610
8441 0101000	Black	Reel	1,000 ft	612825207191
8441 010U1000	Black	UnReel	1,000 ft	612825207160
8441 0105000	Black	Reel	5,000 ft	612825207153

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