



**Product:** [8442](#)

Electronic, 2 C #22 Str TC, PVC Ins, PVC Jkt, CMG

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## Product Description

Electronic, 2 Conductor 22AWG (7x30) Tinned Copper, PVC Insulation, PVC Outer Jacket, CMG

## Technical Specifications

### Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage control (24v, ...); line level audio; voice communications; panel wiring
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### Construction Details

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	22 AWG	7x30	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.016 in (0.41 mm)	0.060 in (1.5 mm)	Black, Red

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.025 in (0.64 mm)	0.170 in (4.32 mm)

Overall Cable Diameter (Nominal):	0.170 in (4.32 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Conductor(s)	17.8 Ohm/1000ft	30 pF/ft (98 pF/m)	2.9 Amps per Conductor at 25°C

#### Voltage

UL Voltage Rating
300 V

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating
80°C	-20°C to +80°C

#### Bend Radius

Stationary Min.	Installation Min.
1.7 in (43 mm)	1.7 in (43 mm)

Max. Pull Tension:	18 lbs (8.2 kg)
Bulk Cable Weight:	14 lbs/1000ft

### Standards and Compliance

Environmental Suitability:	Indoor
Flammability / Reaction to Fire:	UL 1685 FT4 Loading, FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca; CPR UKCA Class: Eca
NEC / UL Compliance:	Article 800, CMG
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)
UK Regulation Compliance:	UKCA Mark
Plenum Number:	88442, 82442

## History

Update and Revision:	Revision Number: 0.517 Revision Date: 02-03-2025
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8442 060100	Chrome	Reel	100 ft	612825207238	
8442 060500	Chrome	Reel	500 ft	612825207269	
8442 060U500	Chrome	UnReel	500 ft	612825207221	
8442 0601000	Chrome	Reel	1,000 ft	612825207245	C
8442 060U1000	Chrome	UnReel	1,000 ft	612825207214	
8442 0605000	Chrome	Reel	5,000 ft	612825207276	C Z
8442 06010000	Chrome	Reel	10,000 ft	612825207252	C Y

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