



**Product:** [8446](#) 

Electronic, 4+2 C #22+18 Str TC, PVC Ins, PVC Jkt, CMG

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## Product Description

Electronic, 4+2 Conductor 22+18AWG (7x30+19x30) Tinned Copper, PVC Insulation, PVC Outer Jacket, CMG

## 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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### Construction Details

#### Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	22 AWG	7x30	TC - Tinned Copper
Conductor(s)	2	18 AWG	19x30	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.011 in (0.28 mm)	0.050 in (1.3 mm)	Red, Green, Brown, Blue
Conductor(s)	PVC - Polyvinyl Chloride	0.018 in (0.46 mm)	0.080 in (2.0 mm)	Black, White

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.236 in (5.99 mm)

Overall Cable Diameter (Nominal): 0.236 in (5.99 mm)

### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Max. Current
Conductor(s)	17.8 Ohm/1000ft	30 pF/ft (98 pF/m)	54 pF/ft (180 pF/m)	2.5 Amps per Conductor at 25°C
Conductor(s)	6.8 Ohm/1000ft (22 Ohm/km)			5.6 Amps per Conductor at 25°C

#### Voltage

UL Voltage Rating
150 V (CMG), 150 V (AWM 2576)

### Mechanical Characteristics

#### Temperature

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

#### Bend Radius

Stationary Min.	Installation Min.
2.4 in (61 mm)	2.4 in (61 mm)

Max. Pull Tension:	78 lbs (35 kg)
Bulk Cable Weight:	39 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL 1685 FT4 Loading, FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	AWM 2576
CEC / C(UL) Compliance:	CMG
European Directive Compliance:	EU CE Mark, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
UK Regulation Compliance:	UKCA Mark
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.525 Revision Date: 09-07-2025
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8446 060100	Chrome	Reel	100 ft	612825207542	
8446 060500	Chrome	Reel	500 ft	612825207566	C
8446 060U500	Chrome	UnReel	500 ft	612825207535	
8446 0601000	Chrome	Reel	1,000 ft	612825207559	C
8446 060U1000	Chrome	UnReel	1,000 ft	612825207528	

Footnote: C - CRATE REEL PUT-UP.

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