



REPRESENTATIVE IMAGE

**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	Number of Element	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	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.011 in (0.28 mm)	Red, Green, Brown, Blue
Conductor(s)	PVC - Polyvinyl Chloride	0.018 in (0.46 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)	15.5 Ohm/1000ft (50.9 Ohm/km)	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 (UL AWM 2576), 300 V (CMG)

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating
80°C (UL AWM Style 2576)	-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

Bulk Cable Weight:	39 lbs/1000ft (58 kg/km)
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## Standards and Compliance

Environmental Suitability:	Indoor
Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL1685 FT4 Loading, FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 800, CMG
AWM Compliance:	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)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.367 Revision Date: 12-15-2021
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## Variants

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

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