


**Product: [8456](#)**

Electronic, 10 C #22 Str TC, PVC Ins, PVC Jkt, CMG

[Request Sample](#)
**Product Description**

Electronic, 10 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)	10	22 AWG	7x30	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)	Black, White, Red, Green, Brown, Blue, Orange, Yellow, Purple, Gray

**Outer Jacket**

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.032 in (0.81 mm)	0.264 in (6.71 mm)

Overall Cable Diameter (Nominal): 0.264 in (6.71 mm)

**Electrical Characteristics**
**Electricals**

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Inductance	Max. Current
Conductor(s)	18 Ohm/1000ft	34 pF/ft (110 pF/m)	0.17 $\mu$ H/ft (0.56 $\mu$ H/m)	4.2 Amps per Conductor at 30°C

**Voltage**

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

**Mechanical Characteristics**
**Temperature**

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

**Bend Radius**

Stationary Min.	Installation Min.
2.6 in (66 mm)	2.6 in (66 mm)

Max. Pull Tension: 91 lbs (41 kg)

Bulk Cable Weight: 41 lbs/1000ft

**Standards and Compliance**

Environmental Suitability:	Indoor
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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: 0.513 Revision Date: 09-07-2025

## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8456 060100	Chrome	Reel	100 ft	612825207931	
8456 060500	Chrome	Reel	500 ft	612825207955	
8456 060U500	Chrome	UnReel	500 ft	612825207924	
8456 0601000	Chrome	Reel	1,000 ft	612825207948	C
8456 060U1000	Chrome	UnReel	1,000 ft	612825207917	
8456 0605000	Chrome	Reel	5,000 ft	612825207962	

Footnote: C - CRATE REEL PUT-UP.

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