



Product: [8461](#) 

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

 [Request Sample](#)

Product Description

Electronic, 2 Conductor 18AWG (7x26) 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
Pair(s)	1	18 AWG	7x26	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.022 in (0.56 mm)	0.090 in (2.3 mm)	Black & White

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.027 in (0.69 mm)	0.234 in (5.94 mm)

Overall Cable Diameter (Nominal): 0.234 in (5.94 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Pair(s)	7.2 Ohm/1000ft	22 pF/ft (72 pF/m)	14 Amps per Conductor at 30°C

Voltage

UL Voltage Rating
300 V (CMG), 300 V (CL3)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
2.3 in (58 mm)	2.3 in (58 mm)

Max. Pull Tension: 45 lbs (20 kg)

Bulk Cable Weight: 26 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor
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Sustainability:	CA Prop 65
Flammability / Reaction to Fire:	UL 1685 UL loading , FT4, IEC 60332-1-2
CPR Compliance:	CPR Euroclass: Eca
NEC / UL Compliance:	Article 725, Article 800, CMG, CL3
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
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.519 Revision Date: 09-07-2025
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
8461 060100	Chrome	Reel	100 ft	612825208167	
8461 060500	Chrome	Reel	500 ft	612825208181	C
8461 060U500	Chrome	UnReel	500 ft	612825208150	
8461 0601000	Chrome	Reel	1,000 ft	612825208174	C
8461 060U1000	Chrome	UnReel	1,000 ft	612825208143	
8461 0605000	Chrome	Reel	5,000 ft	612825208198	

Footnote:	C - CRATE REEL PUT-UP.
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