



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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Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
18	7x26	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.022 in

Color Chart

Number	Color
1	Black & White

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.234 in	0.027 in

Construction and Dimensions

Stranding

Lay Direction	Twists
Left Hand	6 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
5.86 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
22 pF/ft

Current

Element	Max. Recommended Current [A]
10C Temperature Rise	4.8 Amps per conductor @ 20°C ambient

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

Operating Temp Range:	-20°C To +80°C
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Mechanical Characteristics

Bulk Cable Weight:	24 lbs/1000ft
Max Recommended Pulling Tension:	45 lbs
Min Bend Radius/Minor Axis:	2.5 in

Standards

NEC Articles:	800, 725
NEC/(UL) Specification:	CL3, CMG
CEC/C(UL) Specification:	CMG
CPR Euroclass:	Eca

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Indoor:	Yes
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Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 FT4 Loading
CSA Flammability:	FT4
ISO/IEC Flammability:	IEC 60332-1-2
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC
8461 060100	Chrome	Reel	100 ft	612825208167
8461 060500	Chrome	Reel	500 ft	612825208181
8461 060U500	Chrome	UnReel	500 ft	612825208150
8461 0601000	Chrome	Reel	1,000 ft	612825208174
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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History

Update and Revision:	Revision Number: 0.287 Revision Date: 04-28-2020
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