



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

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
Unshielded

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]
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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

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

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Suitability

Suitability - Indoor: Yes

Flammability, LS0H, 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

Part Number

Variants

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

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision: Revision Number: 0.282 Revision Date: 12-19-2019

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