



Product: [8468](#)

Electronic, 15 C #18 Str TC, PVC Ins, PVC Jkt, CMG

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Product Description

Electronic, 15 Conductor 18AWG (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 control (24v, ...); line level audio; voice communications; panel wiring
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Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	18	19x30	TC - Tinned Copper	15

Conductor Count:	15
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Insulation

Element	Material	Nominal Wall Thickness
Conductor(s)	PVC - Polyvinyl Chloride	0.018 in

Color Chart

Number	Color
1	Black
2	White
3	Red
4	Green
5	Orange
6	Blue
7	White/Black
8	Red/Black
9	Green/Black
10	Orange/Black
11	Blue/Black
12	Black/White
13	Red/White
14	Green/White
15	Blue/White

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.5 in	0.045 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
6.3 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor

26 pF/ft

Current

Max. Recommended Current [A]

3.5 Amps per conductor @ 25°C

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

UL Temp Rating: 60°C (UL AWM Style 2598)

Operating Temp Range: -20°C To +60°C

Mechanical Characteristics

Bulk Cable Weight: 153 lbs/1000ft

Max Recommended Pulling Tension: 375 lbs

Min Bend Radius/Minor Axis: 5 in

Standards

NEC Articles: 800

NEC/(UL) Specification: CMG

CEC/C(UL) Specification: CMG

UL AWM Style: UL Style 2598 (300 V 60°C)

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

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	Putup Type	Length	UPC
8468 060100	Chrome	Reel	100 ft	612825208402
8468 060500	Chrome	Reel	500 ft	612825208426
8468 0601000	Chrome	Reel	1,000 ft	612825208419
8468 0605000	Chrome	Reel	5,000 ft	612825208433

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision: Revision Number: 0.285 Revision Date: 04-30-2020

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