



Product: [8471](#)

Electronic, 2 C #16 Str TC, PVC Ins, PVC Jkt, CMG

[Request Sample](#)

Product Description

Electronic, 2 Conductor 16AWG (19x29) 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

Element	AWG	Stranding	Material	No. of Pairs
Pair(s)	16	19x29	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Element	Material	Nominal Wall Thickness
Pair(s)	PVC - Polyvinyl Chloride	0.023 in

Color Chart

Number	Color
1	Black & White

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.274 in	0.032 in

Construction and Dimensions

Cabling

Lay Direction	Twists
Left Hand	6 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
4.49 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
33 pF/ft

Inductance

Nominal Inductance
0.19 µH/ft

Current

Element	Max. Recommended Current [A]
10C temperature rise	6.1 Amps per conductor @ 25°C ambient

Voltage

UL Description	UL Voltage Rating
CMG	300 V
UL AWM 2598	300 V

Temperature Range

UL Temp Rating:	60°C (UL AWM 2598)
Operating Temp Range:	-20°C to +80°C

Mechanical Characteristics

Bulk Cable Weight:	36 lbs/1000ft
Max Recommended Pulling Tension:	61 lbs
Min Bend Radius/Minor Axis:	2.75 in

Standards

NEC Articles:	800, 725
NEC/(UL) Specification:	CMG, CL3
CEC/C(UL) Specification:	CMG
UL AWM Style:	2598
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, LS0H, Toxicity Testing

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

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	Putup Type	Length	UPC/EAN
8471.00U152	Chrome	UnReel	152 m	8719605018229
8471.01152	Chrome	Reel	152 m	8719605018243
8471.00305	Chrome	Reel	305 m	8719605018212
8471.00U305	Chrome	UnReel	305 m	8719605018236
8471 060500	Chrome	Reel	500 ft	612825208556
8471 060U500	Chrome	UnReel	500 ft	612825208532
8471 0601000	Chrome	Reel	1,000 ft	612825208549
8471 060U1000	Chrome	UnReel	1,000 ft	612825208525

8471.001000	Chrome	Reel	1,000 m	8719605018205
8471 0605000	Chrome	Reel	5,000 ft	612825208563

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.293 Revision Date: 05-27-2020
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