



Product: [9159](#)

Electronic, 5 Pr #18 Str TC, PVC Ins, PVC Jkt, CMG

[Request Sample](#)

Product Description

Electronic, 5 Pair 18AWG (16x30) 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)	18	16x30	TC - Tinned Copper	5

Conductor Count:	10
Total Number of Pairs:	5

Insulation

Element	Material	Nominal Wall Thickness
Pair(s)	PVC - Polyvinyl Chloride	0.013 in

Color Chart

Number	Color
1	Black & Red
2	Black & White
3	Black & Green
4	Black & Blue
5	Black & Yellow

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.391 in	0.032 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
5.86 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
25.5 pF/ft

Current

Max. Recommended Current [A]
3.4 Amps per conductor @ 20°C ambient

Voltage

UL Description	UL Voltage Rating
CMG	300 V
UL AWM 2464	300 V

Temperature Range

UL Temp Rating:	80°C (UL AWM 2464)
Operating Temp Range:	-20°C to +80°C

Mechanical Characteristics

Bulk Cable Weight:	76 lbs/1000ft
Max Recommended Pulling Tension:	269 lbs
Min Bend Radius/Minor Axis:	4 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
UL AWM Style:	2464
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 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
9159 060500	Chrome	Reel	500 ft	612825224976
9159 0601000	Chrome	Reel	1,000 ft	612825224969

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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