



Product: [8489](#)

Electronic, 4 C #18 Str TC, PVC Ins, PVC Jkt, CMG

Request Sample

Product Description

Electronic, 4 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	4

Conductor Count:	4
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Insulation

Element	Material	Nominal Wall Thickness
Conductor(s)	PVC - Polyvinyl Chloride	0.0175 in

Color Chart

Number	Color
1	Black
2	White
3	Red
4	Green

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.257 in	0.032 in

Construction and Dimensions

Cabling

Lay Direction	Twists
Left Hand	4 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
6.3 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
26 pF/ft

Current

Element	Max. Recommended Current [A]
10C Temperature Rise	4 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 +60°C

Mechanical Characteristics

Bulk Cable Weight:	44 lbs/1000ft
Max Recommended Pulling Tension:	83 lbs
Min Bend Radius/Minor Axis:	2.75 in

Standards

NEC Articles:	800, 725
NEC/(UL) Specification:	CMG, CL3
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
Plenum Number:	88489, 82489

Part Number

Variants

Item #	Color	Putup Type	Length	UPC
8489 060100	Chrome	Reel	100 ft	612825208754
8489 060250	Chrome	Reel	250 ft	612825208778
8489 060500	Chrome	Reel	500 ft	612825208785
8489 060U500	Chrome	UnReel	500 ft	612825208747
8489 0601000	Chrome	Reel	1,000 ft	612825208761
8489 060U1000	Chrome	UnReel	1,000 ft	612825208730
8489 0605000	Chrome	Reel	5,000 ft	612825208792

Footnote:	C - CRATE REEL PUT-UP.
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History

Update and Revision:	Revision Number: 0.293 Revision Date: 05-19-2020
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