



Product: [8466](#)

Electronic, 12 C #18 Str TC, PVC Ins, PVC Jkt, CMG

Request Sample

Product Description

Electronic, 12 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	12
Conductor Count:		12		

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 Stripe
8	Red/Black Stripe
9	Green/Black Stripe
10	Orange/Black Stripe
11	Blue/Black Stripe
12	Black/White Stripe

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.412 in	0.040 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 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:	113 lbs/1000ft
Max Recommended Pulling Tension:	300 lbs
Min Bend Radius/Minor Axis:	4.25 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CMG
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, LSOH, 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
8466 060100	Chrome	Reel	100 ft	612825208297
8466 060250	Chrome	Reel	250 ft	612825208310
8466 060500	Chrome	Reel	500 ft	612825208327
8466 0601000	Chrome	Reel	1,000 ft	612825208303
8466 0605000	Chrome	Reel	5,000 ft	612825208334

Footnote:	C - CRATE REEL PUT-UP.
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Footnote:	Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.
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History

Update and Revision:	Revision Number: 0.286 Revision Date: 05-19-2020
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