


Product: [8619](#)
Electronic, 19 C #18 Str TC, PVC Ins, PVC Jkt, CMG
[Request Sample](#)
Product Description
Electronic, 19 Conductor 18AWG (19x30) Tinned Copper, PVC Insulation, PVC Outer Jacket, CMG
Technical Specifications
Physical Characteristics (Overall)
Conductor

AWG	Stranding	Material	No. of Conductors
18	19x30	TC - Tinned Copper	19

Conductor Count: 19

Insulation

Material	Nominal Wall Thickness
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
16	Black/Red
17	White/Red
18	Orange/Red
19	Blue/Red

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.49 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

Element	Max. Recommended Current [A]
10C Temperature Rise	2.5 Amps per conductor @ 25°C ambient

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:	172 lbs/1000ft
Max Recommended Pulling Tension:	475 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

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 RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	UPC	Length	Footnote
8619 060100	Chrome	612825213444	100 ft	C
8619 0601000	Chrome	612825213451	1,000 ft	C
8619 060500	Chrome	612825213468	500 ft	C
8619 0605000	Chrome	612825213475	5,000 ft	

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision: Revision Number: 0.283 Revision Date: 04-08-2020

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