



Part Number: 8442

Electronic, 2 C #22 Str TC, PVC Ins, PVC Jkt, CMG

[Request Sample](#)

Product Description

Electronic, 2 Conductor 22AWG (7x30) Tinned Copper, PVC Insulation, PVC Outer Jacket, CMG

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
22	7x30	TC - Tinned Copper	2

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.016 in

Color Chart

Number	Color
1	Black
2	Red

Outer Shield Material

Material
Unshielded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.17 in	0.025 in

Construction and Dimensions

Cabling

Lay Direction	Twists
Left Hand	8 twist/ft

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
15.6 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
30 pF/ft

Inductance

Nominal Inductance
0.2 µH/ft

Current

Element	Max. Recommended Current [A]
10C Temperature Rise	2.9 Amps per conductor @ 25°C ambient

Voltage

UL Voltage Rating
300 V RMS

Temperature Range

UL Temp Rating:	80°C (UL AWM Style 2576)
Operating Temp Range:	-20°C To +60°C

Mechanical Characteristics

Bulk Cable Weight:	15 lbs/1000ft
Max Recommended Pulling Tension:	18 lbs
Min Bend Radius/Minor Axis:	1.75 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
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
CA Prop 65 (CJ for Wire & Cable):	Yes
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 RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
Plenum Number:	88442, 82442

Part Number

Variants

Item #	Color	UPC	Length	Footnote
8442 060100	Chrome	612825207238	100 ft	
8442 0601000	Chrome	612825207245	1,000 ft	C
8442 06010000	Chrome	612825207252	10,000 ft	C Y
8442 060500	Chrome	612825207269	500 ft	
8442 0605000	Chrome	612825207276	5,000 ft	C Z

8442 060U1000	Chrome	612825207214	1,000 ft	
8442 060U500	Chrome	612825207221	500 ft	

Footnote:	C - CRATE REEL PUT-UP.
Footnote:	Y - FINAL PUT-UP LENGTH MAY VAR -10% TO +20% FROM LENGTH SHOWN. MAY CONTAIN 2 PIECES. MINIMUM LENGTH OF ANY ONE PIECE IS 1500'.
Footnote:	Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

History

Update and Revision:	Revision Number: 0.283 Revision Date: 08-22-2019
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