



Product: [9431](#)

Electronic, 20 C #22 Str TC, PVC Ins, PVC Jkt, CMG

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Product Description

Electronic, 20 Conductor 22AWG (7x30) 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)	22	7x30	TC - Tinned Copper	20

Conductor Count:	20
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Insulation

Element	Material	Nominal Wall Thickness
Conductor(s)	PVC - Polyvinyl Chloride	0.011 in

Color Chart

Color
Black
White
Red
Green
Orange
Blue
White/Black
Red/Black
Green/Black
Orange/Black
Blue/Black
Black/White
Red/White
Green/White
Blue/White
Black/Red
White/Red
Orange/Red
Blue/Red
Red/Green

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.345 in	0.04 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR

15.6 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor

34 pF/ft

Inductance

Nominal Inductance

0.17 μ H/ft

Current

Max. Recommended Current [A]

1.5 Amps per conductor @ 25°C A

Voltage

UL Voltage Rating

300 V RMS (CMG)

150 (UL AWM Style 2576) V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	82 lbs/1000ft
Max Recommended Pulling Tension:	180 lbs
Min Bend Radius/Minor Axis:	3.5 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
UL AWM Style:	UL Style 2576 (150 V 80°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

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 (CMG)

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color	UPC
9431 060100	Chrome	612825245360
9431 0601000	Chrome	612825245377
9431 060500	Chrome	612825245384
9431 0605000	Chrome	612825245391

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision: Revision Number: 0.225 Revision Date: 04-30-2020

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