



Product: [9431](#)

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

Request Sample

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

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	22	7x30	TC - Tinned Copper	20

Conductor Count:

20

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 Stripe
Red/Black Stripe
Green/Black Stripe
Orange/Black Stripe
Blue/Black Stripe
Black/White Stripe
Red/White Stripe
Green/White Stripe
Blue/White Stripe
Black/Red Stripe
White/Red Stripe
Orange/Red Stripe
Blue/Red Stripe
Red/Green Stripe

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.345 in	0.040 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 µH/ft

Current

Max. Recommended Current [A]
1.5 Amps per conductor @ 25°C A

Voltage

UL Description	UL Voltage Rating
CMG	300 V
UL AWM 2576	150 V

Temperature Range

UL Temp Rating:	80°C (UL AWM 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:	2576
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 (CMG), 150 V UL AWM 2576)

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.
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History

Update and Revision:	Revision Number: 0.228 Revision Date: 05-19-2020
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