



Product: [8459](#)

Electronic, 25 C #22 Str TC, PVC Ins, PVC Jkt, CMG

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Product Description

Electronic, 25 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	25

Conductor Count:	25
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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
Orange/Green
Black/White/Red
White/Black/Red
Red/Black/White

Green/Black/White

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.387 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 µH/ft

Current

Max. Recommended Current [A]

1.5 Amps per conductor @ 25°C

Voltage

UL Voltage Rating

300 V RMS (CMG)

150 V RMS (UL AWM Style 2576)

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	101 lbs/1000ft
Max Recommended Pulling Tension:	228 lbs
Min Bend Radius/Minor Axis:	4 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

Part Number

Variants

Item #	Color	Putup Type	Length	UPC
8459 060100	Chrome	Reel	100 ft	612825208075
8459 060500	Chrome	Reel	500 ft	612825208099
8459 0601000	Chrome	Reel	1,000 ft	612825208082
8459 0605000	Chrome	Reel	5,000 ft	612825208105

Footnote: C - CRATE REEL PUT-UP.

History

Update and Revision: Revision Number: 0.283 Revision Date: 04-30-2020

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