



**Product:** [9457](#)

Electronic, 12 C #20 Str TC, PVC Ins, PVC Jkt, CMG

[Request Sample](#)

## Product Description

Electronic, 12 Conductor 20AWG (7x28) 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)	20	7x28	TC - Tinned Copper	12

Conductor Count:	12
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#### Insulation

Element	Material	Nominal Wall Thickness
Conductor(s)	PVC - Polyvinyl Chloride	0.0145 in

#### Color Chart

Number	Color
1	White
2	Red
3	Green
4	Brown
5	Blue
6	Orange
7	Yellow
8	Purple
9	Gray
10	Pink
11	Tan (around Black)
12	Black

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.338 in	0.035 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR
10.7 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor
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27 pF/ft

#### Current

##### Max. Recommended Current [A]

2.8 Amps per conductor @ 25°C A

#### Voltage

##### UL Voltage Rating

300 V RMS (UL AWM Style 2464)

#### Temperature Range

UL Temp Rating:	80°C (UL AWM Style 2464)
Operating Temp Range:	-20°C To +80°C

#### Mechanical Characteristics

Bulk Cable Weight:	77 lbs/1000ft
Max Recommended Pulling Tension:	148 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 2464 (300 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 (UL AWM Style 2464)

#### Plenum/Non-Plenum

Plenum (Y/N):	No
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#### Part Number

#### Variants

Item #	Color	UPC
9457 060100	Chrome	612825253259
9457 0601000	Chrome	612825253266
9457 060500	Chrome	612825253273
9457 0605000	Chrome	612825253280

Footnote: C - CRATE REEL PUT-UP.

#### History

Update and Revision:	Revision Number: 0.286 Revision Date: 04-30-2020
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