



**Product:** [9154](#)

Electronic, 2 C #20 Str TC, PVC Ins, OS, PVC Jkt, CMG

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## Product Description

Electronic, 2 Conductor 20AWG (7x28) Tinned Copper, PVC Insulation, Overall Beldfoil® Shield, PVC Outer Jacket, CMG

## Technical Specifications

### Product Overview

Suitable Applications:	low voltage analog signals (4-20ma, 0-10v, ...); low voltage digital control (24v, ...); line level audio; computer communication; panel wiring
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### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Pairs
20	7x28	TC - Tinned Copper	1

Conductor Count:	2
Total Number of Pairs:	1

#### Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.0145 in

#### Color Chart

Number	Color
1	Black & Red

#### Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Alum / Poly	Beldfoil® (Z-Fold®)	100 %	TC - Tinned Copper	22	7x30

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.198 in	0.031 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
9.5 Ohm/1000ft	11.4 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
60 pF/ft	100 pF/ft

#### Inductance

Nominal Inductance
0.18 µH/ft

#### Impedance

<b>Nominal Characteristic Impedance</b>
36 Ohm

#### Current

<b>Max. Recommended Current [A]</b>
4 Amps per conductor @ 25°C

#### Voltage

<b>UL Voltage Rating</b>
300 V RMS

#### Temperature Range

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

#### Mechanical Characteristics

Bulk Cable Weight:	21 lbs/1000ft
Max Recommended Pulling Tension:	39 lbs
Min Bend Radius/Minor Axis:	2 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, LS0H, 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
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#### Part Number

##### Variants

Item #	Color	Putup Type	Length	UPC
9154 290500	Beige, Light	Reel	500 ft	612825224778
9154 290U500	Beige, Light	UnReel	500 ft	612825224754
9154 2901000	Beige, Light	Reel	1,000 ft	612825224761
9154 290U1000	Beige, Light	UnReel	1,000 ft	612825224747
9154 2905000	Beige, Light	Reel	5,000 ft	612825224785

Footnote:	C - CRATE REEL PUT-UP.
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#### History

Update and Revision:	Revision Number: 0.299 Revision Date: 04-28-2020
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