



**Part Number: 9154**

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

[Request Sample](#)

**Product Description**

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

**Technical Specifications**

**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	Aluminum/Polyester	Beldfoil® (Z-Fold®)	100 %	TC - Tinned Copper	22	7x30 mm

**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**

Nominal Characteristic Impedance
36 Ohm

## Current

### Max. Recommended Current [A]

4 Amps per conductor @ 25°C

## Voltage

### UL Voltage Rating

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
CA Prop 65 (CJ for Wire & Cable):	Yes
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

## Plenum/Non-Plenum

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

### Variants

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

Footnote: C - CRATE REEL PUT-UP.

## History

Update and Revision:	Revision Number: 0.291 Revision Date: 08-22-2019
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