



**Part Number:** 9154

Single-Pair, (1 pr) 20 AWG (7x28) TC, PVC/PVC, Foil Shld, CMG

## Product Description

One 20 AWG pair stranded (7x28) tinned copper conductors, twisted pair, PVC insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Pairs
20	7x28	TC - Tinned Copper	1
<b>Total Number of Conductors:</b>			2

#### Insulation:

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.015 in

#### Color Chart 1:

Number	Color
1	Black & Red

#### Outershield 1:

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

### Outerjacket 1:

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

### Impedance:

Nominal Characteristic Impedance
36 Ohm

### Current:

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

### Inductance:

Nominal Inductance
0.18 µH/ft

### Voltage:

UL Voltage Rating
300 V RMS

## Use

Max Recommended Pulling Tension:	39 lbs
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## Safety

CSA Flammability:	FT4
UL Flammability:	UL1685 FT4 Loading

## Temperature Range

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

## Mechanical Characteristics

Min Bend Radius/Minor Axis:	2 in
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## Part Number

Plenum (Y/N):	No
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## Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CEC/C(UL) Specification:	CEC/C(UL) Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
UL AWM Style:	AWM Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

## History

## Product Variants

Part Number	Color	Put-Up Type	Length
9154 2901000	BEIGE, LIGHT	Reel	1000 ft
9154 2905000	BEIGE, LIGHT	Reel	5000 ft
9154 290500	BEIGE, LIGHT	Reel	500 ft
9154 290U1000	BEIGE, LIGHT	UnReel	1000 ft
9154 290U500	BEIGE, LIGHT	UnReel	500 ft

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