

## 9154 Multi-Conductor - Single-Pair Cable

For more Information  
please call

1-800-Belden1



### Description:

20 AWG stranded (7x28) TC conductors, PVC insulation, twisted pair, overall Beldfoil® shield (100% coverage), 22 AWG stranded TC drain wire, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material
1	20	7x28	TC - Tinned Copper

#### Insulation

##### Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	.014

#### Outer Shield

##### Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil® (Z-Fold®)	Tape	Aluminum Foil-Polyester Tape	100

##### Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire	Conductor Material
22	7x30		TC - Tinned Copper

#### Outer Jacket

##### Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	.031

#### Overall Cable

Overall Nominal Diameter: 0.198 in.

#### Pair

##### Pair Color Code Chart:

Number	Color
1	Black & Red

##### Pair Lay Length & Direction:

Lay Length (in.)	Twists/ft. (twist/ft)
1.500	8.000

### Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2464)
Bulk Cable Weight:	19.900 lbs/1000 ft.
Max. Recommended Pulling Tension:	39 lbs.
Min. Bend Radius (Install)/Minor Axis:	2 in.

## Applicable Specifications and Agency Compliance (Overall)

### Applicable Standards & Environmental Programs

NEC/(UL) Specification:	CMG
CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2464 (300 V 80°C)
EU CE Mark:	Yes
EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

### Flame Test

C(UL) Flame Test:	FT4
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### Plenum/Non-Plenum

Plenum (Y/N):	No
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## Electrical Characteristics (Overall)

### Nom. Characteristic Impedance:

Impedance (Ohm)

36

### Nom. Inductance:

Inductance ( $\mu$ H/ft)

.18

### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

60

### Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)

100

### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

9.5

### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

11.4

### Max. Operating Voltage - UL:

Voltage

300 V RMS

### Max. Recommended Current:

Current

4 Amps per conductor @ 25°C

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

## 9154 Multi-Conductor - Single-Pair Cable

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9154 290U1000	1,000 FT	22.000 LB	BEIGE, LIGHT		2 #20 PVC SHLD PVC
9154 290U500	500 FT	11.500 LB	BEIGE, LIGHT		2 #20 PVC SHLD PVC
9154 2901000	1,000 FT	23.000 LB	BEIGE, LIGHT	C	2 #20 PVC SHLD PVC
9154 290500	500 FT	12.000 LB	BEIGE, LIGHT	C	2 #20 PVC SHLD PVC

**Notes:**

C = CRATE REEL PUT-UP.

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