



9154 Multi-Conductor - Single-Pair Cable

For more Information
please call

1-800-Belden1



General 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

Total Number of Conductors: 2

Insulation

Insulation Material:

Insulation Material	Wall Thickness (mm)
PVC - Polyvinyl Chloride	0.381

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 (mm)
PVC - Polyvinyl Chloride	0.7874

Overall Cable

Overall Nominal Diameter: 5.029 mm

Pair

Pair Color Code Chart:

Number	Color
1	Black & Red

Mechanical Characteristics (Overall)

Operating Temperature Range:	-20°C To +80°C
UL Temperature Rating:	80°C (UL AWM Style 2464)
Bulk Cable Weight:	31.252 Kg/Km
Max. Recommended Pulling Tension:	173.480 N
Min. Bend Radius/Minor Axis:	50.800 mm

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 Directive 2011/65/EU (ROHS II):	Yes
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

UL Flame Test:	UL1685 FT4 Loading
CSA Flame Test:	FT4

Plenum/Non-Plenum

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

Nom. Characteristic Impedance:

Impedance (Ohm)
36

Nom. Inductance:

Inductance (µH/m)
0.59058

Nom. Capacitance Conductor to Conductor:

Capacitance (pF/m)
196.86

Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/m)
328.1

Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/km)
31.1695

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/km)
37.4034

Max. Operating Voltage - UL:

Voltage
300 V RMS

Max. Recommended Current:

Current
4 Amps per conductor @ 25°C

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9154 290U1000	1,000 FT	16.000 LB	BEIGE, LIGHT		2 #20 PVC SHLD PVC
9154 290U500	500 FT	9.000 LB	BEIGE, LIGHT		2 #20 PVC SHLD PVC
9154 290Z1000	1,000 FT	19.000 LB	BEIGE, LIGHT		2 #20 PVC SHLD PVC
9154 2901000	1,000 FT	22.000 LB	BEIGE, LIGHT	C	2 #20 PVC SHLD PVC

METRIC MEASUREMENT VERSION

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9154 290500	500 FT	11.500 LB	BEIGE, LIGHT	C	2 #20 PVC SHLD PVC
9154 2905000	5,000 FT	110.000 LB	BEIGE, LIGHT		2 #20 PVC SHLD PVC

Notes:

C = CRATE REEL PUT-UP.

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