

## 9414 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information  
please call

1-800-Belden1



### General Description:

22 AWG stranded (7x30) tinned copper conductors, semi-rigid PVC insulation, twisted pair, overall Beldfoil® shield (100% coverage), 22 AWG stranded TC drain wire, jacket-striated PVC.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Pairs	AWG	Stranding	Conductor Material
1	22	7x30	TC - Tinned Copper

Total Number of Conductors: 2

#### Insulation

Insulation Material:

Insulation Material	Wall Thickness (in.)
S-R PVC - Semi-Rigid Polyvinyl Chloride	0.011

#### Outer Shield

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	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	.035

#### Overall Cable

Overall Nominal Diameter: 0.180 in.

#### Pair

Pair Color Code Chart:

Number	Color
1	Black & White

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

UL Temperature Rating: 80°C (UL AWM Style 2464)

Bulk Cable Weight: 21 lbs/1000 ft.

Max. Recommended Pulling Tension: 27 lbs.

Min. Bend Radius/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 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): 10/01/2005

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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

CSA 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)

38

#### Nom. Inductance:

Inductance (µH/ft)

0.18

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

50

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

Capacitance (pF/ft)

95

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

16

#### Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

12.5

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

#### Max. Recommended Current:

Current

2.9 Amps per conductor @ 25°C

### Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
9414 T35U1000	1,000 FT	23.000 LB	BEIGE, PALE FAWN		2 #22 PVC SHLD FRPVC
9414 T35U500	500 FT	12.000 LB	BEIGE, PALE FAWN		2 #22 PVC SHLD FRPVC
9414 T351000	1,000 FT	23.000 LB	BEIGE, PALE FAWN	C	2 #22 PVC SHLD FRPVC
9414 T35500	500 FT	11.500 LB	BEIGE, PALE FAWN		2 #22 PVC SHLD FRPVC
9414 T355000	5,000 FT	115.000 LB	BEIGE, PALE FAWN		2 #22 PVC SHLD FRPVC

#### Notes:

C = CRATE REEL PUT-UP.

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Belden declares this product to be in compliance with EU LVD (Low Voltage Directive 2014/35/EU).

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