

## 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-riated 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 |
| MIL Order #39 (China RoHS):       | Yes |

## Flame Test

|                 |     |
|-----------------|-----|
| CSA Flame Test: | FT4 |
|-----------------|-----|

## Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

## 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 &amp; 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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