

## 9302 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information  
please call

1-800-Belden1

**General Description:**

22 AWG solid tinned copper conductors, PVC insulation, twisted pairs, overall Beldfoil shield (100% coverage), 22 AWG stranded TC drain wire, PVC jacket.

**Physical Characteristics (Overall)****Conductor****AWG:**

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 2       | 22  | Solid     | TC - Tinned Copper |

Total Number of Conductors: 4

**Insulation****Insulation Material:**

| Insulation Material      | Wall Thickness (in.) |
|--------------------------|----------------------|
| PVC - Polyvinyl Chloride | .013                 |

**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 | .032                      |

**Overall Cable**

Overall Nominal Diameter: 0.244 in.

**Pair****Pair Color Code Chart:**

| Number | Color         |
|--------|---------------|
| 1      | Black & Red   |
| 2      | 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:                | 27 lbs/1000 ft.          |
| Max. Recommended Pulling Tension: | 31 lbs.                  |
| Min. Bend Radius/Minor Axis:      | 2.500 in.                |

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

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|                                       |                            |
|---------------------------------------|----------------------------|
| 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 |
|---------------|----|

**Electrical Characteristics (Overall)****Nom. Inductance:**

Inductance (μH/ft)

0.2

**Nom. Capacitance Conductor to Shield:**

Capacitance (pF/ft)

50

**Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/ft)

35

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

16.5

**Nominal Outer Shield DC Resistance:**

DCR @ 20°C (Ohm/1000 ft)

10.5

**Max. Operating Voltage - UL:**

Voltage

300 V RMS

**Max. Recommended Current:**

Current

2.35 Amps per conductor @ 25°C

**Put Ups and Colors:**

| Item #        | Putup    | Ship Weight | Color  | Notes | Item Desc           |
|---------------|----------|-------------|--------|-------|---------------------|
| 9302 060U1000 | 1,000 FT | 29.000 LB   | CHROME |       | 2 PR #22 PVC FS PVC |
| 9302 060U500  | 500 FT   | 15.500 LB   | CHROME |       | 2 PR #22 PVC FS PVC |
| 9302 0601000  | 1,000 FT | 31.000 LB   | CHROME | C     | 2 PR #22 PVC FS PVC |
| 9302 060500   | 500 FT   | 15.000 LB   | CHROME | C     | 2 PR #22 PVC FS PVC |
| 9302 0605000  | 5,000 FT | 150.000 LB  | CHROME | C     | 2 PR #22 PVC FS PVC |

**Notes:**

## 9302 Multi-Conductor - Audio, Control and Instrumentation Cable

C = CRATE REEL PUT-UP.

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