

## 9315 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 |
|---------|-----|-----------|--------------------|
| 15      | 22  | Solid     | TC - Tinned Copper |

Total Number of Conductors: 30

**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 | .037                      |

**Overall Cable**

Overall Nominal Diameter: 0.449 in.

**Pair**

Pair Color Code Chart:

| Number | Color          |
|--------|----------------|
| 1      | Black & Red    |
| 2      | Black & White  |
| 3      | Black & Green  |
| 4      | Black & Blue   |
| 5      | Black & Yellow |
| 6      | Black & Brown  |
| 7      | Black & Orange |
| 8      | Red & White    |
| 9      | Red & Green    |
| 10     | Red & Blue     |
| 11     | Red & Yellow   |
| 12     | Red & Brown    |
| 13     | Red & Orange   |
| 14     | Green & White  |
| 15     | Green & Blue   |

**Mechanical Characteristics (Overall)**

|                                   |                          |
|-----------------------------------|--------------------------|
| Operating Temperature Range:      | -20°C To +80°C           |
| UL Temperature Rating:            | 80°C (UL AWM Style 2464) |
| Bulk Cable Weight:                | 124 lbs/1000 ft.         |
| Max. Recommended Pulling Tension: | 242 lbs.                 |
| Min. Bend Radius/Minor Axis:      | 4.500 in.                |

## 9315 Multi-Conductor - Audio, Control and Instrumentation Cable

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; 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                        |
| MIL 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)

14

## Max. Operating Voltage - UL:

Voltage

300 V RMS

## Max. Recommended Current:

Current

1.4 Amps per conductor @ 25°C

## Put Ups and Colors:

| Item #       | Putup    | Ship Weight | Color  | Notes | Item Desc            |
|--------------|----------|-------------|--------|-------|----------------------|
| 9315 0601000 | 1,000 FT | 133.000 LB  | CHROME | C     | 15 PR #22 PVC FS PVC |
| 9315 060500  | 500 FT   | 67.000 LB   | CHROME | C     | 15 PR #22 PVC FS PVC |

## Notes:

C = CRATE REEL PUT-UP.

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