

## 8768 Multi-Conductor - Audio, Control and Instrumentation Cable

For more Information  
please call

1-800-Belden1

**Description:**

22 AWG solid conductors, PVC insulation, tinned copper, twisted pairs, individually shielded w/Beldfoil® (100% coverage), 22 AWG solid TC drain wire, overall PVC jacket.

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

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 6       | 22  | Solid     | TC - Tinned Copper |

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

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

**Inner Shield****Inner Shield Material:**

| Inner Shield Trade Name | Type | Inner Shield Material        | Coverage (%) |
|-------------------------|------|------------------------------|--------------|
| Beldfoil® (Z-Fold®)     | Tape | Aluminum Foil-Polyester Tape | 100          |

**Inner Shield Drain Wire AWG:**

| AWG |
|-----|
| 22  |

Inner Shield Drain Wire Stranding: Solid

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

**Outer Shield****Outer Shield Material:**

| Outer Shield Material |
|-----------------------|
| Unshielded            |

**Outer Shield Drain Wire AWG:**

| AWG | Stranding | Drain Wire Conductor Material |
|-----|-----------|-------------------------------|
| 22  | Solid     | TC - Tinned Copper            |

**Outer Jacket****Outer Jacket Material:**

| Outer Jacket Material    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .037                      |

**Overall Cable**

Overall Nominal Diameter: 0.379 in.

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

| Number | Color          |
|--------|----------------|
| 1      | Black & Red    |
| 2      | Black & White  |
| 3      | Black & Green  |
| 4      | Black & Blue   |
| 5      | Black & Yellow |

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|   |               |
|---|---------------|
| 6 | Black & Brown |
|---|---------------|

## Pair Lay Length &amp; Direction:

| Lay Length (in.) | Twists/ft. (twist/ft) |
|------------------|-----------------------|
| 1.750            | 6.900                 |

## Mechanical Characteristics (Overall)

|                                        |                          |
|----------------------------------------|--------------------------|
| Operating Temperature Range:           | -20°C To +80°C           |
| UL Temperature Rating:                 | 80°C (UL AWM Style 2464) |
| Bulk Cable Weight:                     | 79.500 lbs/1000 ft.      |
| Max. Recommended Pulling Tension:      | 140 lbs.                 |
| Min. Bend Radius (Install)/Minor Axis: | 3.800 in.                |

## Applicable Specifications and Agency Compliance (Overall)

## Applicable Standards &amp; Environmental Programs

|                                       |                            |
|---------------------------------------|----------------------------|
| AWM Specification:                    | UL Style 2464 (300 V 80°C) |
| 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

|                   |     |
|-------------------|-----|
| C(UL) Flame Test: | FT4 |
|-------------------|-----|

## Plenum/Non-Plenum

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

## Electrical Characteristics (Overall)

## Nom. Inductance:

| Inductance (μH/ft) |
|--------------------|
| .19                |

## Nom. Capacitance Conductor to Conductor:

| Capacitance (pF/ft) |
|---------------------|
| 40                  |

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

| Capacitance (pF/ft) |
|---------------------|
| 77                  |

## Nom. Conductor DC Resistance:

| DCR @ 20°C (Ohm/1000 ft) |
|--------------------------|
| 16.7                     |

|                                                     |                |
|-----------------------------------------------------|----------------|
| Ind. Pair Nominal Shield DC Resistance @ 20 Deg. C: | 12 Ohm/1000 ft |
|-----------------------------------------------------|----------------|

## Max. Operating Voltage - UL:

| Voltage                       |
|-------------------------------|
| 300 V RMS (UL AWM Style 2464) |

## Max. Recommended Current:

| Current                     |
|-----------------------------|
| 2 Amps per conductor @ 25°C |

**8768 Multi-Conductor - Audio, Control and Instrumentation Cable****Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

| Item #       | Putup    | Ship Weight | Color  | Notes | Item Desc           |
|--------------|----------|-------------|--------|-------|---------------------|
| 8768 0601000 | 1,000 FT | 86.000 LB   | CHROME | C     | 6 #22 PVC SH PR PVC |
| 8768 060500  | 500 FT   | 43.500 LB   | CHROME | C     | 6 #22 PVC SH PR PVC |

**Notes:**

C = CRATE REEL PUT-UP.

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