

METRIC MEASUREMENT VERSION

## 8750 Multi-Conductor - Audio, Control and Instrumentation Cable

For more Information  
please call

1-800-Belden1



### General Description:

22 AWG stranded (7x30) tinned copper conductors, PVC insulation, twisted pairs, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 27      | 22  | 7x30      | TC - Tinned Copper |

Total Number of Conductors: 54

#### Insulation

##### Insulation Material:

| Insulation Material      | Wall Thickness (mm) |
|--------------------------|---------------------|
| PVC - Polyvinyl Chloride | 0.279               |

#### Outer Shield

##### Outer Shield Material:

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

#### Outer Jacket

##### Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 1.143                    |

#### Overall Cable

Overall Nominal Diameter: 14.605 mm

#### 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   |
| 16     | Green & Yellow |
| 17     | Green & Brown  |
| 18     | Green & Orange |
| 19     | White & Blue   |
| 20     | White & Yellow |

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|    |                |
|----|----------------|
| 21 | White & Brown  |
| 22 | White & Orange |
| 23 | Blue & Yellow  |
| 24 | Blue & Brown   |
| 25 | Blue & Orange  |
| 26 | Brown & Yellow |
| 27 | Brown & Orange |

### Mechanical Characteristics (Overall)

|  |                          |
|--|--------------------------|
| <b>Operating Temperature Range:</b>      | -20°C To +80°C           |
| <b>Non-UL Temperature Rating:</b>        | 80°C (UL AWM Style 2576) |
| <b>Bulk Cable Weight:</b>                | 306.569 Kg/Km            |
| <b>Max. Recommended Pulling Tension:</b> | 2179.618 N               |
| <b>Min. Bend Radius/Minor Axis:</b>      | 146.050 mm               |

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

|  |                            |
|--|----------------------------|
| <b>NEC/(UL) Specification:</b>               | CMG                        |
| <b>CEC/C(UL) Specification:</b>              | CMG                        |
| <b>AWM Specification:</b>                    | UL Style 2576 (150 V 80°C) |
| <b>EU Directive 2011/65/EU (ROHS II):</b>    | Yes                        |
| <b>EU CE Mark:</b>                           | Yes                        |
| <b>EU Directive 2000/53/EC (ELV):</b>        | Yes                        |
| <b>EU Directive 2002/95/EC (RoHS):</b>       | Yes                        |
| <b>EU RoHS Compliance Date (mm/dd/yyyy):</b> | 04/01/2005                 |
| <b>EU Directive 2002/96/EC (WEEE):</b>       | Yes                        |
| <b>EU Directive 2003/11/EC (BFR):</b>        | Yes                        |
| <b>CA Prop 65 (CJ for Wire &amp; Cable):</b> | Yes                        |
| <b>MII Order #39 (China RoHS):</b>           | Yes                        |

#### Flame Test

|                        |                    |
|------------------------|--------------------|
| <b>UL Flame Test:</b>  | UL1685 FT4 Loading |
| <b>CSA Flame Test:</b> | FT4                |

#### Plenum/Non-Plenum

|                      |    |
|----------------------|----|
| <b>Plenum (Y/N):</b> | No |
|----------------------|----|

### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

|                           |
|---------------------------|
| <b>Capacitance (pF/m)</b> |
| 83.6655                   |

#### Nom. Conductor DC Resistance:

|                            |
|----------------------------|
| <b>DCR @ 20°C (Ohm/km)</b> |
| 48.2307                    |

#### Max. Operating Voltage - UL:

| Voltage   | Description       |
|-----------|-------------------|
| 150 V RMS | UL AWM Style 2576 |
| 300 V RMS | CMG               |

#### Max. Recommended Current:

|                               |
|-------------------------------|
| <b>Current</b>                |
| 1.4 Amps per conductor @ 20°C |

## 8750 Multi-Conductor - Audio, Control and Instrumentation Cable

### Put Ups and Colors:

| Item #       | Putup    | Ship Weight | Color  | Notes | Item Desc         |
|--------------|----------|-------------|--------|-------|-------------------|
| 8750 0601000 | 1,000 FT | 221.000 LB  | CHROME | C D   | 27 PR #22 PVC PVC |

**Notes:**

C = CRATE REEL PUT-UP.

D = FINAL PUT-UP LENGTH MAY VARY -0% TO +20% FROM LENGTH SHOWN.

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