

## 8692 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information  
please call

1-800-Belden1



### General Description:

18 AWG stranded (16x30) tinned copper conductors, PVC insulation, twisted pairs, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Pairs | AWG | Stranding | Conductor Material |
|---------|-----|-----------|--------------------|
| 9       | 18  | 16x30     | TC - Tinned Copper |

Total Number of Conductors: 18

#### Insulation

Insulation Material:

| Insulation Material      | Wall Thickness (mm) |
|--------------------------|---------------------|
| PVC - Polyvinyl Chloride | 0.330               |

#### Inner Shield

Inner Shield Material:

| Inner Shield Material |
|-----------------------|
| Unshielded            |

#### Outer Shield

Outer Shield Material:

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

#### Outer Jacket

Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 1.016                    |

#### Overall Cable

Overall Nominal Diameter: 13.310 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    |

### Mechanical Characteristics (Overall)

|                                   |                          |
|-----------------------------------|--------------------------|
| Operating Temperature Range:      | -20°C To +80°C           |
| Non-UL Temperature Rating:        | 80°C (UL AWM Style 2464) |
| Bulk Cable Weight:                | 238.112 Kg/Km            |
| Max. Recommended Pulling Tension: | 1619.145 N               |
| Min. Bend Radius/Minor Axis:      | 133.350 mm               |

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

|                          |     |
|--------------------------|-----|
| NEC(UL) Specification:   | CMG |
| CEC/C(UL) Specification: | CMG |

## METRIC MEASUREMENT VERSION

### 8692 Multi-Conductor - Audio, Control and Instrumentation Cable

|  |                            |
|--|----------------------------|
| <b>AWM Specification:</b>                    | UL Style 2464 (300 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>CSA Flame Test:</b> | FT4 |
|------------------------|-----|

#### Plenum/Non-Plenum

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

### Electrical Characteristics (Overall)

#### Nom. Inductance:

**Inductance (µH/m)**  
0.55777

#### Nom. Capacitance Conductor to Conductor:

**Capacitance (pF/m)**  
98.43

#### Nom. Conductor DC Resistance:

**DCR @ 20°C (Ohm/km)**  
22.3108

#### Max. Operating Voltage - UL:

**Voltage**  
300 V RMS

#### Max. Recommended Current:

**Current**  
2.6 Amps per conductor @ 25°C

### Put Ups and Colors:

| Item #       | Putup    | Ship Weight | Color  | Notes | Item Desc        |
|--------------|----------|-------------|--------|-------|------------------|
| 8692 0601000 | 1,000 FT | 167.000 LB  | CHROME | C     | 9 PR #18 PVC PVC |

#### Notes:

C = CRATE REEL PUT-UP.

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