

## 8465 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information  
please call

1-800-Belden1

**Description:**

18 AWG stranded (19x30) tinned copper conductors, conductors cabled, PVC insulation, PVC jacket.

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

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 5            | 18  | 19x30     | TC - Tinned Copper |

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

| Insulation Material      | Wall Thickness (mm) |
|--------------------------|---------------------|
| PVC - Polyvinyl Chloride | 0.4318              |

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

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

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

| Outer Jacket Material    | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 0.8382                   |

**Overall Cabling****Overall Cabling Lay Length & Direction:**

| Length (mm) | Twists (m.) |
|-------------|-------------|
| 74.167708   | 1.24968     |

**Overall Cabling Color Code Chart:**

| Number | Color |
|--------|-------|
| 1      | Black |
| 2      | White |
| 3      | Red   |
| 4      | Green |
| 5      | Brown |

Overall Nominal Diameter: 7.163 mm

**Mechanical Characteristics (Overall)**

|                                        |                          |
|----------------------------------------|--------------------------|
| Operating Temperature Range:           | -20°C To +60°C           |
| UL Temperature Rating:                 | 60°C (UL AWM Style 2598) |
| Bulk Cable Weight:                     | 83.786 Kg/Km             |
| Max. Recommended Pulling Tension:      | 556.025 N                |
| Min. Bend Radius (Install)/Minor Axis: | 71.120 mm                |

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

NEC/(UL) Specification: CMG

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|                                              |                            |
|----------------------------------------------|----------------------------|
| <b>CEC/C(UL) Specification:</b>              | CMG                        |
| <b>AWM Specification:</b>                    | UL Style 2598 (300 V 60°C) |
| <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>C(UL) Flame Test:</b> | FT4 |
|--------------------------|-----|

**Plenum/Non-Plenum**

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

**Electrical Characteristics (Overall)****Nom. Capacitance Conductor to Conductor:**

Capacitance (pF/m)

85.306

**Nom. Conductor DC Resistance:**

DCR @ 20°C (Ohm/km)

20.6703

**Max. Operating Voltage - UL:**

Voltage

300 V RMS (UL AWM Style 2598)

**Max. Recommended Current:**

Current

4 Amps per conductor @ 25°C

**Notes (Overall)****Notes:** Nominal Loop Inductance: .18 µH/ft.**Related Documents:**

No related documents are available for this product

**Put Ups and Colors:**

| Item #        | Putup    | Ship Weight | Color  | Notes | Item Desc     |
|---------------|----------|-------------|--------|-------|---------------|
| 8465 060U1000 | 305 MT   | 23.587 KG   | CHROME |       | 5 #18 PVC PVC |
| 8465 060U500  | 152 MT   | 12.020 KG   | CHROME |       | 5 #18 PVC PVC |
| 8465 060100   | 30 MT    | 2.585 KG    | CHROME |       | 5 #18 PVC PVC |
| 8465 0601000  | 305 MT   | 24.041 KG   | CHROME | C     | 5 #18 PVC PVC |
| 8465 060500   | 152 MT   | 12.247 KG   | CHROME | C     | 5 #18 PVC PVC |
| 8465 0605000  | 1,524 MT | 122.471 KG  | CHROME |       | 5 #18 PVC PVC |

**Notes:**

C = CRATE REEL PUT-UP.

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