

# Detailed Specifications & Technical Data



METRIC MEASUREMENT VERSION

## 9626 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 |
|--------------|-----|-----------|--------------------|
| 25           | 18  | 19x30     | TC - Tinned Copper |

Total Number of Conductors: 25

#### Insulation

Insulation Material:

| Insulation Material      | Wall Thickness (mm) |
|--------------------------|---------------------|
| PVC - Polyvinyl Chloride | 0.457               |

#### Outer Shield

Outer Shield Material:

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

#### Outer Jacket

Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 1.524                    |

#### Overall Cable

Overall Cabling Color Code Chart:

| Number | Color           |
|--------|-----------------|
| 1      | Black           |
| 2      | White           |
| 3      | Red             |
| 4      | Green           |
| 5      | Orange          |
| 6      | Blue            |
| 7      | White/Black     |
| 8      | Red/Black       |
| 9      | Green/Black     |
| 10     | Orange/Black    |
| 11     | Blue/Black      |
| 12     | Black/White     |
| 13     | Red/White       |
| 14     | Green/White     |
| 15     | Blue/White      |
| 16     | Black/Red       |
| 17     | White/Red       |
| 18     | Orange/Red      |
| 19     | Blue/Red        |
| 20     | Red/Green       |
| 21     | Orange/Green    |
| 22     | Black/White/Red |

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|    |                   |
|----|-------------------|
| 23 | White/Black/Red   |
| 24 | Red/Black/White   |
| 25 | Green/Black/White |

Overall Nominal Diameter: 15.545 mm

### Mechanical Characteristics (Overall)

|                                   |                          |
|-----------------------------------|--------------------------|
| Operating Temperature Range:      | -20°C To +60°C           |
| UL Temperature Rating:            | 60°C (UL AWM Style 2598) |
| Bulk Cable Weight:                | 363.121 Kg/Km            |
| Max. Recommended Pulling Tension: | 2780.125 N               |
| Min. Bend Radius/Minor Axis:      | 158.750 mm               |

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

|                                       |                            |
|---------------------------------------|----------------------------|
| NEC/(UL) Specification:               | CMG                        |
| CEC/C(UL) Specification:              | CMG                        |
| AWM Specification:                    | UL Style 2598 (300 V 60°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

|                 |                    |
|-----------------|--------------------|
| UL Flame Test:  | UL1685 FT4 Loading |
| CSA Flame Test: | FT4                |

#### Plenum/Non-Plenum

|               |    |
|---------------|----|
| Plenum (Y/N): | 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                       |
| 2.5 Amps per conductor @ 25°C |

### Put Ups and Colors:

| Item #      | Putup | Ship Weight | Color  | Notes | Item Desc     |
|-------------|-------|-------------|--------|-------|---------------|
| 9626 060100 | 30 MT | 12.428 KG   | CHROME | C     | 25#18 PVC PVC |

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|              |          |            |        |     |                |
|--------------|----------|------------|--------|-----|----------------|
| 9626 0601000 | 305 MT   | 117.935 KG | CHROME | C   | 25#18 PVC PVC  |
| 9626 060500  | 152 MT   | 59.194 KG  | CHROME | C   | 25#18 PVC PVC  |
| 9626 0605000 | 1,524 MT | 591.941 KG |        | C Z | 25 #18 PVC PVC |

**Notes:**

C = CRATE REEL PUT-UP.

Z = FINAL PUT-UP LENGTH MAY VARY (+ OR -) 10% FOR SPOOLS OR REELS AND(+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

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