

## 9157 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 |
|---------|-----|-----------|--------------------|
| 4       | 18  | 16x30     | TC - Tinned Copper |

Total Number of Conductors: 8

#### Insulation

Insulation Material:

| Insulation Material      | Wall Thickness (in.) |
|--------------------------|----------------------|
| PVC - Polyvinyl Chloride | 0.013                |

#### 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 (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .032                      |

#### Overall Cable

Overall Nominal Diameter: 0.381 in.

#### Pair

Pair Color Code Chart:

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

### Mechanical Characteristics (Overall)

|                                   |                          |
|-----------------------------------|--------------------------|
| Operating Temperature Range:      | -20°C To +80°C           |
| Non-UL Temperature Rating:        | 80°C (UL AWM Style 2464) |
| Bulk Cable Weight:                | 76 lbs/1000 ft.          |
| Max. Recommended Pulling Tension: | 179 lbs.                 |
| Min. Bend Radius/Minor Axis:      | 4 in.                    |

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

|                                    |                            |
|------------------------------------|----------------------------|
| NEC/(UL) Specification:            | CMG                        |
| CEC/(UL) Specification:            | CMG                        |
| AWM Specification:                 | UL Style 2464 (300 V 80°C) |
| EU Directive 2011/65/EU (ROHS II): | Yes                        |
| EU CE Mark:                        | Yes                        |
| EU Directive 2000/53/EC (ELV):     | Yes                        |

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|                                       |            |
|---------------------------------------|------------|
| 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        |
| MIL Order #39 (China RoHS):           | Yes        |

### Flame Test

|                 |     |
|-----------------|-----|
| CSA Flame Test: | FT4 |
|-----------------|-----|

### Plenum/Non-Plenum

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

### Electrical Characteristics (Overall)

#### Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

25.5

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

5.86

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

#### Max. Recommended Current:

Current

3.4 Amps per conductor @ 20°C

### Put Ups and Colors:

| Item #       | Putup    | Ship Weight | Color  | Notes | Item Desc          |
|--------------|----------|-------------|--------|-------|--------------------|
| 9157 060100  | 100 FT   | 8.400 LB    | CHROME |       | 4 PR #18 PVC FRPVC |
| 9157 0601000 | 1,000 FT | 83.000 LB   | CHROME | C     | 4 PR #18 PVC FRPVC |
| 9157 060500  | 500 FT   | 41.000 LB   | CHROME | C     | 4 PR #18 PVC FRPVC |

#### Notes:

C = CRATE REEL PUT-UP.

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