

## 9439 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information  
please call

1-800-Belden1



### General Description:

20 AWG stranded (7x28) tinned copper conductors, conductors cabled, PVC insulation, PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 7            | 20  | 7x28      | TC - Tinned Copper |

Total Number of Conductors: 7

#### Insulation

Insulation Material:

| Insulation Material      | Wall Thickness (in.) |
|--------------------------|----------------------|
| PVC - Polyvinyl Chloride | 0.015                |

#### 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 Cabling Color Code Chart:

| Number | Color  |
|--------|--------|
| 1      | White  |
| 2      | Red    |
| 3      | Green  |
| 4      | Brown  |
| 5      | Blue   |
| 6      | Orange |
| 7      | Black  |

Overall Nominal Diameter: 0.260 in.

### Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +80°C

UL Temperature Rating: 80°C (UL AWM Style 2464)

Bulk Cable Weight: 50 lbs/1000 ft.

Max. Recommended Pulling Tension: 86 lbs.

Min. Bend Radius/Minor Axis: 2.750 in.

### Applicable Specifications and Agency Compliance (Overall)

#### Applicable Standards & Environmental Programs

NEC/(UL) Specification: CMG

CEC/C(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

EU Directive 2002/95/EC (RoHS): Yes

EU RoHS Compliance Date (mm/dd/yyyy): 04/01/2005

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|                                   |     |
|-----------------------------------|-----|
| 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

|                 |                    |
|-----------------|--------------------|
| 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/ft)

27

#### Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

10.7

#### Max. Operating Voltage - UL:

Voltage

300 V RMS

#### Max. Recommended Current:

Current

2.8 Amps per conductor @ 25°C

### Put Ups and Colors:

| Item #        | Putup    | Ship Weight | Color  | Notes | Item Desc       |
|---------------|----------|-------------|--------|-------|-----------------|
| 9439 060U1000 | 1,000 FT | 51.000 LB   | CHROME |       | 7 #20 PVC FRPVC |
| 9439 060U500  | 500 FT   | 26.000 LB   | CHROME |       | 7 #20 PVC FRPVC |
| 9439 060100   | 100 FT   | 5.700 LB    | CHROME |       | 7 #20 PVC FRPVC |
| 9439 0601000  | 1,000 FT | 53.000 LB   | CHROME | C     | 7 #20 PVC FRPVC |
| 9439 060500   | 500 FT   | 27.000 LB   | CHROME | C     | 7 #20 PVC FRPVC |
| 9439 0605000  | 5,000 FT | 260.000 LB  | CHROME |       | 7 #20 PVC FRPVC |

#### Notes:

C = CRATE REEL PUT-UP.

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