

## 8469 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 |
|--------------|-----|-----------|--------------------|
| 9            | 18  | 19x30     | TC - Tinned Copper |

#### Insulation

##### Insulation Material:

| Insulation Material      | Wall Thickness (in.) |
|--------------------------|----------------------|
| PVC - Polyvinyl Chloride | .017                 |

#### Outer Shield

##### Outer Shield Material:

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

#### Outer Jacket

##### Outer Jacket Material:

| Outer Jacket Material    | Nom. Wall Thickness (in.) |
|--------------------------|---------------------------|
| PVC - Polyvinyl Chloride | .037                      |

#### Overall Cable

##### Overall Cabling Lay Length & Direction:

| Length (in.) | Twists (ft.) |
|--------------|--------------|
| 3.45         | 3.4          |

##### Overall Cabling Color Code Chart:

| Number | Color  |
|--------|--------|
| 1      | Black  |
| 2      | White  |
| 3      | Red    |
| 4      | Green  |
| 5      | Brown  |
| 6      | Blue   |
| 7      | Orange |
| 8      | Yellow |
| 9      | Purple |

Overall Nominal Diameter: 0.364 in.

### Mechanical Characteristics (Overall)

|  |                          |
|--|--------------------------|
| Operating Temperature Range:           | -20°C To +60°C           |
| UL Temperature Rating:                 | 60°C (UL AWM Style 2598) |
| Bulk Cable Weight:                     | 96.300 lbs/1000 ft.      |
| Max. Recommended Pulling Tension:      | 187 lbs.                 |
| Min. Bend Radius (Install)/Minor Axis: | 3.600 in.                |

## 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

|                   |     |
|-------------------|-----|
| C(UL) Flame Test: | FT4 |
|-------------------|-----|

### Plenum/Non-Plenum

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

## Electrical Characteristics (Overall)

### Nom. Capacitance Conductor to Conductor:

|                     |
|---------------------|
| Capacitance (pF/ft) |
| 26                  |

### Nom. Conductor DC Resistance:

|                          |
|--------------------------|
| DCR @ 20°C (Ohm/1000 ft) |
| 6.3                      |

### Max. Operating Voltage - UL:

|                               |
|-------------------------------|
| Voltage                       |
| 300 V RMS (UL AWM Style 2598) |

### Max. Recommended Current:

|                               |
|-------------------------------|
| Current                       |
| 3.5 Amps per conductor @ 25°C |

## Related Documents:

No related documents are available for this product

## Put Ups and Colors:

| Item #       | Putup    | Ship Weight | Color  | Notes | Item Desc     |
|--------------|----------|-------------|--------|-------|---------------|
| 8469 060100  | 100 FT   | 9.800 LB    | CHROME |       | 9 #18 PVC PVC |
| 8469 0601000 | 1,000 FT | 98.000 LB   | CHROME | C     | 9 #18 PVC PVC |
| 8469 060250  | 250 FT   | 24.250 LB   | CHROME | C     | 9 #18 PVC PVC |
| 8469 060500  | 500 FT   | 51.500 LB   | CHROME | C     | 9 #18 PVC PVC |
| 8469 0605000 | 5,000 FT | 490.000 LB  | CHROME |       | 9 #18 PVC PVC |

### Notes:

C = CRATE REEL PUT-UP.

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## 8469 Multi-Conductor - Audio, Control and Instrumentation Cable

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