

9434 Multi-Conductor - Audio, Control and Instrumentation Cable



For more Information
please call

1-800-Belden1



General Description:

22 AWG stranded (7x30) tinned copper conductors, conductors cabled, PVC insulation, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 50 | 22 | 7x30 | TC - Tinned Copper |

Total Number of Conductors: 50

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (mm) |
|--------------------------|---------------------|
| PVC - Polyvinyl Chloride | 0.279 |

Outer Shield

Outer Shield Material:

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

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 1.143 |

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 |
| 26 | Orange/Black/White |
| 27 | Blue/Black/White |
| 28 | Black/Red/Green |
| 29 | White/Red/Green |
| 30 | Red/Black/Green |
| 31 | Green/Black/Orange |
| 32 | Orange/Black/Green |
| 33 | Blue/White/Orange |
| 34 | Black/White/Orange |
| 35 | White/Red/Orange |
| 36 | Orange/White/Blue |
| 37 | White/Red/Blue |
| 38 | Black/White/Green |
| 39 | White/Black/Green |
| 40 | Red/White/Green |
| 41 | Green/White/Blue |
| 42 | Orange/Red/Green |
| 43 | Blue/Red/Green |
| 44 | Black/White/Blue |
| 45 | White/Black/Blue |
| 46 | Red/White/Blue |
| 47 | Green/Orange/Red |
| 48 | Orange/Red/Blue |
| 49 | Blue/Red/Orange |
| 50 | Black/Orange/Red |

Overall Nominal Diameter: 12.700 mm

Mechanical Characteristics (Overall)

| | |
|--|--------------------------|
| Operating Temperature Range: | -20°C To +80°C |
| UL Temperature Rating: | 80°C (UL AWM Style 2576) |
| Bulk Cable Weight: | 278.293 Kg/Km |
| Max. Recommended Pulling Tension: | 1966.104 N |
| Min. Bend Radius/Minor Axis: | 127 mm |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|--|----------------------------|
| NEC/(UL) Specification: | CMG |
| CEC/C(UL) Specification: | CMG |
| AWM Specification: | UL Style 2576 (150 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 |
| 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

METRIC MEASUREMENT VERSION

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UL Flame Test: UL1685 FT4 Loading

CSA Flame Test: FT4

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Nom. Inductance:

| Inductance (µH/m) |
|-------------------|
| 0.55777 |

Nom. Capacitance Conductor to Conductor:

| Capacitance (pF/m) |
|--------------------|
| 111.554 |

Nom. Conductor DC Resistance:

| DCR @ 20°C (Ohm/km) |
|---------------------|
| 51.1836 |

Max. Operating Voltage - UL:

| Voltage |
|-------------------------------|
| 300 V RMS (CMG) |
| 150 V RMS (UL AWM Style 2576) |

Max. Recommended Current:

| Current |
|-------------------------------|
| 1.2 Amps per conductor @ 25°C |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------------|----------|-------------|--------|-------|---------------|
| 9434 0601000 | 1,000 FT | 206.000 LB | CHROME | C | 50#22 PVC PVC |
| 9434 060500 | 500 FT | 100.500 LB | CHROME | C | 50#22 PVC PVC |

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 08-31-2012

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