

8456 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 |
|--------------|-----|-----------|--------------------|
| 10 | 22 | 7x30 | TC - Tinned Copper |

Total Number of Conductors: 10

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 | 0.8128 |

Overall Cable

Overall Cabling Color Code Chart:

| Color |
|--------|
| Black |
| White |
| Red |
| Green |
| Brown |
| Blue |
| Orange |
| Yellow |
| Purple |
| Gray |

Overall Nominal Diameter: 6.706 mm

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|--------------------------|
| Operating Temperature Range: | -20°C To +80°C |
| UL Temperature Rating: | 80°C (UL AWM Style 2576) |
| Bulk Cable Weight: | 61.016 Kg/Km |
| Max. Recommended Pulling Tension: | 391.442 N |
| Min. Bend Radius/Minor Axis: | 69.850 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) |
| CSA Specification: | FT4 |
| EU Directive 2011/65/EU (ROHS II): | Yes |

METRIC MEASUREMENT VERSION

8456 Multi-Conductor - Audio, Control and Instrumentation Cable

| | |
|---------------------------------------|------------|
| 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. 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 | Description |
|-----------|-------------|
| 300 V RMS | CMG |
| 150 V RMS | UL AWM 2576 |

Max. Recommended Current:

| |
|-------------------------------|
| Current |
| 2.1 Amps per conductor @ 25°C |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|--------|-------|----------------|
| 8456 060U1000 | 1,000 FT | 43.000 LB | CHROME | | 10 #22 PVC PVC |
| 8456 060U500 | 500 FT | 22.000 LB | CHROME | | 10 #22 PVC PVC |
| 8456 060I100 | 100 FT | 4.800 LB | CHROME | | 10 #22 PVC PVC |
| 8456 060I000 | 1,000 FT | 45.000 LB | CHROME | C | 10 #22 PVC PVC |
| 8456 060500 | 500 FT | 22.500 LB | CHROME | | 10 #22 PVC PVC |
| 8456 0605000 | 5,000 FT | 215.000 LB | CHROME | | 10 #22 PVC PVC |

Notes:

C = CRATE REEL PUT-UP.

Revision Number: 2 Revision Date: 09-19-2012

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