

8446 Multi-Conductor - Audio, Control, Communication and Instrumentation Cable



For more Information
please call

1-800-Belden1



General Description:

22 and 18 AWG stranded (7x30 and 19x30) tinned copper conductors cabled, PVC insulation, PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 4 | 22 | 7x30 | TC - Tinned Copper |
| 2 | 18 | 19x30 | TC - Tinned Copper |

Total Number of Conductors: 6

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (in.) | AWG |
|--------------------------|----------------------|-----|
| PVC - Polyvinyl Chloride | 0.011 | 22 |
| PVC - Polyvinyl Chloride | 0.019 | 18 |

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:

| Color | AWG |
|-------|-----|
| Red | 22 |
| Green | 22 |
| Brown | 22 |
| Blue | 22 |
| White | 18 |
| Black | 18 |

Overall Nominal Diameter: 0.236 in.

Mechanical Characteristics (Overall)

| | |
|-----------------------------------|--------------------------|
| Operating Temperature Range: | -20°C To +80°C |
| UL Temperature Rating: | 80°C (UL AWM Style 2576) |
| Bulk Cable Weight: | 39 lbs/1000 ft. |
| Max. Recommended Pulling Tension: | 78 lbs. |
| Min. Bend Radius/Minor Axis: | 2.500 in. |

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 |

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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

| | |
|-----------------|--------------------|
| 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) |
| 30 |

Nom. Capacitance Cond. to Other Cond. & Ground:

| |
|---------------------|
| Capacitance (pF/ft) |
| 54 |

Nom. Conductor DC Resistance:

| Description | DCR @ 20°C (Ohm/1000 ft) |
|-------------|--------------------------|
| 22 AWG | 15.5 |
| 18 AWG | 6.8 |

Max. Operating Voltage - UL:

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

Max. Recommended Current:

| Description | Current |
|-------------|-------------------------------|
| 22 AWG | 2.5 Amps per conductor @ 25°C |
| 18 AWG | 5.6 Amps per conductor @ 25°C |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|---------------|----------|-------------|--------|-------|-------------------|
| 8446 060U1000 | 1,000 FT | 41.000 LB | CHROME | | 4#22 2#18 PVC PVC |
| 8446 060U500 | 500 FT | 21.500 LB | CHROME | | 4#22 2#18 PVC PVC |
| 8446 060100 | 100 FT | 4.700 LB | CHROME | | 4#22 2#18 PVC PVC |
| 8446 0601000 | 1,000 FT | 43.000 LB | CHROME | C | 4#22 2#18 PVC PVC |
| 8446 060500 | 500 FT | 21.500 LB | CHROME | C | 4#22 2#18 PVC PVC |

Notes:

C = CRATE REEL PUT-UP.

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