

7436A Multi-Conductor - 600V FCC Control Cables for Moderate Flexing



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1-800-Belden1



General Description:

14 AWG stranded (41x30) bare copper conductors, unshielded, PVC insulation, oil- and abrasion-resistant PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 4 | 14 | 41x30 | BC - Bare Copper |

Total Number of Conductors: 4

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (mm) |
|--------------------------|---------------------|
| PVC - Polyvinyl Chloride | 0.5842 |

Insulation Resistance: 6.1 Megohms/1000 ft. minimum

Outer Shield

Outer Shield Material:

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

Outer Jacket

Outer Jacket Material:

| Outer Jacket Material | Nom. Wall Thickness (mm) |
|--------------------------|--------------------------|
| PVC - Polyvinyl Chloride | 1.27 |

Overall Cable

Overall Cabling Color Code Chart:

| Number | Color |
|--------|------------------|
| 1 | Black printed #1 |
| 2 | Black printed #2 |
| 3 | Black printed #3 |
| 4 | Green/Yellow |

Overall Nominal Diameter: 10.033 mm

Mechanical Characteristics (Overall)

Operating Temperature Range: -40°C To +90°C

Other Temperature Range: Flexing: -5°C To +90°C

UL Temperature Rating: 90°C (UL AWM Style 2587)

Bulk Cable Weight: 181.560 Kg/Km

Max. Recommended Pulling Tension: 894.088 N

Min. Bend Radius/Minor Axis: 101.600 mm

Min. Bend Radius (Continuous Flexing): 152.400 mm

Flex Cycle Rating: 1 Million

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Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|--|----------------------------|
| AWM Specification: | UL Style 2587 (600 V 90°C) |
| CSA Specification: | AWM I/II A/B |
| EU Directive 2011/65/EU (ROHS II): | Yes |
| EU Directive 2000/53/EC (ELV): | Yes |
| EU Directive 2002/95/EC (RoHS): | Yes |
| EU RoHS Compliance Date (mm/dd/yyyy): | 10/01/2005 |
| 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: | VW-1 |
| C(UL) Flame Test: | FT1 |

Suitability

| | |
|------------------------|-----|
| Oil Resistance: | Yes |
|------------------------|-----|

Plenum/Non-Plenum

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

Electrical Characteristics (Overall)

Nom. Conductor DC Resistance:

| |
|----------------------------|
| DCR @ 20°C (Ohm/km) |
| 8.2025 |

Max. Operating Voltage - UL:

| |
|-------------------------------|
| Voltage |
| 600 V RMS (UL AWM Style 2587) |

Put Ups and Colors:

| Item # | Putup | Ship Weight | Color | Notes | Item Desc |
|--------|-------|-------------|-------|-------|-----------|
|--------|-------|-------------|-------|-------|-----------|

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