

7400A Multi-Conductor - 600V FCC Control Cables for Moderate Flexing



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General Description:

20 AWG stranded (10x30) bare copper conductors, PVC insulation, unshielded, oil- and abrasion-resistant PVC jacket.

Physical Characteristics (Overall)

Conductor

AWG:

| # Conductors | AWG | Stranding | Conductor Material |
|--------------|-----|-----------|--------------------|
| 2 | 20 | 10x30 | BC - Bare Copper |

Total Number of Conductors: 2

Insulation

Insulation Material:

| Insulation Material | Wall Thickness (mm) |
|--------------------------|---------------------|
| PVC - Polyvinyl Chloride | 0.5588 |

Insulation Resistance: 6.1 Megaohms/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 | 1.016 |

Overall Cable

Overall Nominal Diameter: 6.096 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: | 35.717 Kg/Km |
| Max. Recommended Pulling Tension: | 115.653 N |
| Min. Bend Radius/Minor Axis: | 60.960 mm |
| Min. Bend Radius (Continuous Flexing): | 91.440 mm |
| Flex Cycle Rating: | 1 Million Flexes |

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

| | |
|---------------------------------------|----------------------------|
| AWM Specification: | UL Style 2587 (600 V 90°C) |
| CSA Specification: | AWM I A/B 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 |

METRIC MEASUREMENT VERSION

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MII Order #39 (China RoHS): Yes

Flame Test

UL Flame Test: UL1685 UL Loading, VW-1

CSA 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)

34.4505

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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