

## 7417A Multi-Conductor - 600V FCC Control Cables for Moderate Flexing



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### General Description:

18 AWG stranded (16x30) bare copper conductors, PVC insulation, unshielded, oil- and abrasion-resistant PVC jacket.

### Physical Characteristics (Overall)

#### Conductor

AWG:

# Conductors	AWG	Stranding	Conductor Material
25	18	16x30	BC - Bare Copper

Total Number of Conductors: 25

#### 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	1.8288

#### Overall Cable

Overall Nominal Diameter: 17.678 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:	467.295 Kg/Km
Max. Recommended Pulling Tension:	2313.060 N
Min. Bend Radius/Minor Axis:	177.800 mm
Min. Bend Radius (Continuous Flexing):	266.700 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

### 7417A Multi-Conductor - 600V FCC Control Cables for Moderate Flexing

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)

21.3265

##### 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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