




**Product:** [23501](#) 

ACIC 300V, 1 Pr #16 Str TC, PVC Ins E1, OS, PVC Jkt, AIA Armor, Blk PVC Jkt, 105C Dry 75C Wet CSA HLABCD SUN RES -40C

## Product Description

Canadian Instrumentation Cable TC-ACIC 300V, 1 Pair 16AWG (7x24) Tinned Copper, PVC Insulation E1 Color Code, Overall Beldfoil® Shield, PVC Inner Jacket, Aluminum Interlock Armor, Black PVC Outer Jacket, 105C Dry 75C Wet CSA HLABCD SUN RES -40C

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	16	7x24	TC - Tinned Copper	2

Conductor Count:	2
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#### Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.025 in

#### Inner Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.313 in	0.047 in

#### Outer Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	18

#### Outer Jacket

Material	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	0.597 in	Yes

### Construction and Dimensions

#### Armor

Type of Armor	Material	Diameter over Armoring
Interlocked	Aluminum	0.493 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
4.2 Ohm/1000ft	5.86 Ohm/1000ft

#### Voltage

Non-UL Description	Non-UL Voltage Rating
CEC ACIC	300 V RMS

### Temperature Range

Installation Temp Range:	-25°C To +105°C
Non-UL Temp Rating:	105°C
Operating Temp Range:	-40°C To +105°C
Wet Temp Range:	-40°C To +75 °C
Dry Temp Range:	-40°C To +105 °C

## Mechanical Characteristics

Bulk Cable Weight:	175 lbs/1000ft
Max. Pull Tension:	200 lbs
Min. Bend Radius/Minor Axis:	7.2 in

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2006-01-01
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

## Flammability, LSOH, Toxicity Testing

CSA Flammability:	FT4
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## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Part Number

### Variants

Item #	Put-Up Type	UPC
23501 01010000	Reel	612825322122
23501 06010000	Reel	612825322146
23501 0602500	Reel	612825322160
23501 0602500	Reel	612825322160
23501 0605000	Reel	612825322177
23501 0605000	Reel	612825322177
23501 0607500	Reel	612825322221
23501 00810000	Reel	
23501 01010000	Reel	

## History

Update and Revision:	Revision Number: 0.214 Revision Date: 09-24-2021
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