



**Product:** [29023](#)

ACIC 600V, 15+G C #16 Str BC, XLPE Ins, PVC Jkt, AIA Armor, Blu PVC Jkt, 90C Dry/Wet CSA HL SUN RES -40C

**Product Description**

Canadian Instrumentation Cable TC-ACIC 600V, 15+G Conductor 16AWG (7x24) Bare Copper, XLPE Insulation, PVC Inner Jacket, Aluminum Interlock Armor, Blue PVC Outer Jacket, 90C Dry/Wet CSA HL SUN RES -40C

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Conductors
16	7x24	BC - Bare Copper	15
16		BC - Bare Copper	1

Conductor Count:	15
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**Insulation**

Material
XLP, XLPO, XLPE (Thermoset)
XLP, XLPO, XLPE (Thermoset)

**Color Chart**

Number	Color
1	White and Numbered 1
2	Black and Numbered 2
3	Black and Numbered 3
4	Black and Numbered 4
5	Black and Numbered 5
6	Black and Numbered 6
7	Black and Numbered 7
8	Black and Numbered 8
9	Black and Numbered 9
10	Black and Numbered 10
11	Black and Numbered 11
12	Black and Numbered 12
13	Black and Numbered 13
14	Black and Numbered 14
15	Black and Numbered 15

**Inner Jacket Material**

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.68 in

**Outer Jacket Material**

Material	Nominal Diameter
PVC - Polyvinyl Chloride	1.000 in

**Construction and Dimensions**

## Armor

Type of Armor	Material	Diameter over Armoring
Interlocked	Aluminum	0.88 in

## Electrical Characteristics

### Conductor DCR

Nominal Conductor DCR
4.2 Ohm/1000ft

### Current

Max. Recommended Current [A]
7 Amps per Conductor at 25°C

### Voltage

Non-UL Voltage Rating
600 V RMS

## Temperature Range

Non-UL Temp Rating:	90°C
UL Temp Rating:	N/A
Operating Temp Range:	-40°C To +90°C
Wet Temp Range:	-40°C To +90 °C
Dry Temp Range:	-40°C To +90 °C

## Mechanical Characteristics

Bulk Cable Weight:	502 lbs/1000ft
Max. Pull Tension:	264 lbs
Min Bend Radius/Minor Axis:	11.9 in

## Standards

CSA AWM Compliance:	C22.2#239, HAZ LOC, C22.2#0.3 Clause 4.31 Low Acid Gas
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## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU RoHS Compliance Date (yyyy-mm-dd):	2006-01-01
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Burial:	Yes
Suitability - Hazardous Locations:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

## Flammability, LSOH, Toxicity Testing

CSA Flammability:	FT4
UL voltage rating:	N/A

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## History

Update and Revision:	Revision Number: 0.182 Revision Date: 02-16-2021
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