



**Product:** [29032](#)

ACIC 600V, 4+G C #18 Str BC, XLPE Ins, PVC Jkt, AIA Armor, PVC Jkt, 90C Dry/Wet CSA HL SUN RES -40C

**Product Description**

Canadian Instrumentation Cable TC-ACIC 600V, 4+G Conductor 18AWG (7x26) Bare Copper, XLPE Insulation, PVC Inner Jacket, Aluminum Interlock Armor, Blue PVC Outer Jacket, 90C Dry/Wet CSA HL SUN RES -40C

**Technical Specifications**

**Product Overview**

Suitable Applications:	Power and Control Applications up to 600V
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**Construction Details**

<b>Conductor</b>				
Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	18 AWG	7x26	BC - Bare Copper
Ground Wire	1	18 AWG	7x26	BC - Bare Copper

<b>Insulation</b>				
Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	XLP, XLPO, XLPE (Thermoset)	0.03 in (0.76 mm)	0.106 in (2.69 mm)	White and Numbered 1, Black and Numbered 2, Black and Numbered 3, Black and Numbered 4
Ground Wire	XLP, XLPO, XLPE (Thermoset)	0.03 in (0.76 mm)	0.106 in (2.69 mm)	Green

**Outer Shield**

Material
No Shield

<b>Inner Jacket</b>				
Material	Nom. Thickness	Nom. Diameter	Ripcord	Color
PVC - Polyvinyl Chloride	0.047 in (1.2 mm)	0.385 in (9.78 mm)	Yes	Black

Table Notes:	Separator - Corrugated Mylar Tape
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<b>Armor</b>		
Armor Type & Material	Armor Thickness	Diameter Over Armor
AIA - Aluminum Interlock Armor	0.025 in (0.64 mm)	0.610 in (15.5 mm)

<b>Outer Jacket</b>			
Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.052 in (1.3 mm)	0.714 in	Yes

Overall Cable Diameter (Nominal):	0.714 in
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**Electrical Characteristics**

<b>Electricals</b>		
Element	Nom. Conductor DCR	Max. Current
Conductor(s)	6.9 Ohm/1000ft	11.2 Amps per Conductor at 30°C
Ground Wire	6.9 Ohm/1000ft (23 Ohm/km)	14 Amps per Conductor at 30°C

Voltage

Voltage Rating
600 V (CSA TC)

Mechanical Characteristics

Temperature

Operating
-40°C To +90°C

Bend Radius

Stationary Min.	Installation Min.
8.56 in (217 mm)	8.56 in

Max. Pull Tension:	312 lbs (142 kg)
Bulk Cable Weight:	206 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance
CEC / C(UL) Compliance:	CSA ACIC
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.212 Revision Date: 10-19-2023
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Part Numbers

Variants

Item #	Putup Type
29032 J225000	Reel

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