



Product: [24511](#)

ACIC 600V, 1 Pr #18 Str TC, PVC Ins E1, OS, PVC Jkt, AIA Armor, PVC Jkt, 105C Dry 75C Wet CSA HLABCD SUN RES -40C

Product Description

Canadian Instrumentation Cable TC-ACIC 600V, 1 Pair 18AWG (7x26) Tinned Copper, PVC Insulation E1 Color Code, Overall Beldfoil® Shield, PVC Inner Jacket, Aluminum Interlock Armor, PVC Outer Jacket, 105C Dry 75C Wet CSA HLABCD SUN RES -40C

Technical Specifications

Product Overview

Suitable Applications:	Industrial Control, Raceways Cable trays and ducts, Digital Control, Instruments (4-20ma, 0-10v, ...), low voltage digital control (24v, ...), encoders, control circuits, distributed control system (DCS), programmable logic controller (PLC), Solenoids, Valves, Actuators, Positioners
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	1	18 AWG	7x26	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.03 in (0.76 mm)	0.106 in (2.69 mm)	Black & White

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

Inner Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord	Color
PVC - Polyvinyl Chloride	0.047 in (1.2 mm)	0.309 in (7.85 mm)	Yes	Black

Armor

Armor Type & Material	Armor Thickness	Diameter Over Armor
AIA - Aluminum Interlock Armor	0.025 in (0.64 mm)	0.489 in (12.4 mm)

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.053 in (1.3 mm)	0.595 in	Yes

Overall Cable Diameter (Nominal):	0.595 in
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Max. Current
7.4 Ohm/1000ft	5 Amps per Conductor at 30°C

Voltage

Voltage Rating
600 V

Mechanical Characteristics

Temperature

Operating	Installation
Dry: -40°C to +105°C, Wet: -40°C to +75°C	-25°C To +105

Bend Radius

Stationary Min.	Installation Min.
7.14 in (181 mm)	7.14 in

Max. Pull Tension:	200 lbs (91 kg)
Bulk Cable Weight:	163 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance
AWM Compliance:	C22.2#239, Type ACIC, C22.2#174, HLABCD, C22.2#0.3, Clause 4.31 Low Acid Test
CEC / C(UL) Compliance:	ACIC, HLABCD, ACIC
European Directive Compliance:	EU CE Mark, 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: 0.373 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Putup Type	UPC
24511 06010000	Reel	612825324508
24511 0602500	Reel	612825324515
24511 0605000	Reel	612825324522
24511 0605000	Reel	612825324522
24511 0607500	Reel	612825324539

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