



**Product:** [25510D](#) 

ACIC 600V, 2 Pr #16 Str TC, XLPE Ins E1, OS, PVC Inner Jkt, SIA Armor, Blk PVC Jkt, 90C Wet 105C Dry CSA HLABCD SUN RES -40C

## Product Description

Canadian Instrumentation Cable TC-ACIC 600V, 2 Pair 16AWG (7x24) Tinned Copper, XLPE Insulation E1 Color Code, Overall Beldfoil® Shield, PVC Inner Jacket, Steel Interlock Armor, Black PVC Outer Jacket, 90C Wet 105C Dry 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)	2	16 AWG	7x24	TC - Tinned Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Triad(s)	XLP, XLPO, XLPE (Thermoset)	0.030 in (0.76 mm)	0.118 in mm	Black, White and Numbered

#### Inner Shield

Shield Type	Material	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	16 AWG (7x24) TC

#### Outer Shield

Shield Type	Material	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	18 AWG (7x26) TC

#### Inner Jacket

Material	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.91 in (23 mm)	Yes

#### Armor

Armor Type & Material	Armor Thickness
SIA - Steel Interlock Armor	0.80 in (20 mm)

#### Outer Jacket

Material	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.91 in (23 mm)	Yes

### Electrical Characteristics

#### Electricals

Nom. Conductor DCR
4.2 ohm/1000ft

### Mechanical Characteristics

## Temperature

<b>Operating</b>
-40°C To +105°C Dry/90°C Wet

Max. Pull Tension:	170 lbs (77 kg)
Bulk Cable Weight:	492 lbs/1000ft (732 kg/km)

## Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance
CEC / C(UL) Compliance:	ACIC, HLBCD
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.198 Revision Date: 02-27-2026
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