



Product: [22645](#) 

CIC 300V, 1 Pr #18 Str TC, PVC Ins E1, OS, Blk PVC Jkt, 105C Dry 75C Wet SUN RES -25C

Product Description

Canadian Instrumentation Cable TC-CIC 300V, 1 Pair 18AWG (7x26) Tinned Copper, PVC Insulation E1 Color Code, Overall Beldfoil® Shield, Black PVC Outer Jacket, 105C Dry 75C Wet SUN RES -25C

Technical Specifications

Physical Characteristics (Overall)

Conductor

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

Conductor Count:	2
Total Number of Pairs:	1

Insulation

Element	Material	Nominal Diameter	Nominal Wall Thickness
Pair(s)	PVC - Polyvinyl Chloride	0.096 in	0.026 in

Color Chart

Color
Black & White

Inner Shield

Drainwire AWG	Drainwire Construction n x D
22	7x30

Outer Shield

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	20	7x28

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.289 in	0.047 in	Yes

Electrical Characteristics

Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR	Nominal Outer Shield DCR
51 Ohm/1000ft	7.4 Ohm/1000ft	5.56 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Shield
42 pF/ft	95 pF/ft

Inductance

Nominal Inductance
0.19 µH/ft

Current

Max. Recommended Current [A]

14 Amps per Conductor at 30°C

Voltage

UL Voltage Rating

300 V RMS

Temperature Range

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

Mechanical Characteristics

UV Resistance:	Yes
Bulk Cable Weight:	41 lbs/1000ft
Maximum Recommended Pulling Tension:	57.4 lbs
Minimum Bend Radius During Installation:	2.31 in
Minimum Minor Axis Bend Radius:	3 in

Standards

CEC/C(UL) Compliance:	CIC
CSA AWM Compliance:	C22.2#239 Type CIC

Applicable Environmental and Other Programs

Environmental Space:	Indoor/Outdoor
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
MII Order #39 (China RoHS):	Yes

Suitability

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

Flammability, LS0H, Toxicity Testing

CSA/C(UL) Flammability:	FT4
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Plenum/Non-Plenum

Plenum (Y/N):	No
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History

Update and Revision:	Revision Number: 0.417 Revision Date: 06-10-2026
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