



Product: [22635D](#) 

CIC 300V, 8 Pr #18 Str BC, XLPE Ins E1, IS/OS, Blk PVC Jkt, 90C Dry/Wet
SUN RES -25C

Product Description

Canadian Instrumentation Cable TC-CIC 300V, 8 Pair 18AWG (7x26) Bare Copper, XLPE Insulation E1 Color Code, Individual & Overall Beldfoil® Shield, Black PVC Outer Jacket, 90C Dry/Wet SUN RES -25C

Technical Specifications

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material
Pair(s)	18	7x26.5	TC - Tinned Copper

Conductor Count: 16

Insulation

Element	Material	Nominal Diameter	Nominal Wall Thickness
Pair(s)	XLP, XLPO, XLPE (Thermoset)	0.096 in mm	0.025 in

Color Chart

Color
Black & White and Numbered

Inner Shield

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

Outer Shield

Type	Material	Coverage [%]	Drainwire Material
Tape	Bi-Laminate (Alum+Poly)	100%	TC - Tinned Copper

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.725 in	0.063 in	Yes

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Inner Shield DCR	Nominal Outer Shield DCR
7.4 Ohm/1000ft	6.51 Ohm/1000ft	8.3 Ohm/1000ft

Current

Max. Recommended Current [A]
2.45 Amps per Conductor at 30°C

Voltage

Description	Non-UL Voltage Rating
CEC CIC	300 V

Temperature Range

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

Mechanical Characteristics

UV Resistance:	Yes
Bulk Cable Weight:	250 lbs/1000ft
Maximum Recommended Pulling Tension:	371 lbs
Minimum Bend Radius During Installation:	8.7 in

Standards

CEC/C(UL) Compliance:	C1C
CSA AWM Compliance:	C22.2#239, Type C1C, C22.2#0.3, Clause 4.31, Low Acid Test

Suitability

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

History

Update and Revision:	Revision Number: 0.25 Revision Date: 10-27-2026
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