Product: 22630D

CIC 300V, 6 Pr #16 Str BC, XLPE Ins E1, IS/OS, Blk PVC Jkt, 90C Dry/Wet SUN RES -25C

Product Description

Canadian Instrumentation Cable TC-CIC 300V, 6 Pair 16AWG (7x24) 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)	16	7x24	TC - Tinned Copper

Conductor Count:	12

Insulation

Element	Material	Nominal Diameter	Nominal Wall Thickness
Pair(s)	XLP, XLPO, XLPE (Thermoset)	0.108in 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®	100%	18	7x26

Outer Shield

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

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.736 in	0.063 in	Yes

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Inner Shield DCR	Nominal Outer Shield DCR
4.6 Ohm/1000ft	4.17 Ohm/1000ft	3.62 Ohm/1000ft

Current

Max. Recommended Current [A]
4.55 Amps per Conductor at 30ºC

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:	-40°C To +105°C

Mechanical Characteristics

UV Resistance:	Yes
Bulk Cable Weight:	276lbs/1000ft
Maximum Recommended Pulling Tension:	486.5 lbs
Minimum Bend Radius During Installation:	8.832 in

Standards

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

Applicable Environmental and Other Programs

EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

Suitability

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

History

Update and Revision:	Revision Number: 0.25 Revision Date: 10-23-2026

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