



Product: [23527](#)

ACIC 300V, 2 Pr #16 Str TC, PVC Ins E1, IS/OS, PVC Jkt, AIA Armor, Blk PVC Jkt, 105C Dry 75C Wet CSA HLABCD SUN RES -40C

Product Description

Canadian Instrumentation Cable TC-ACIC 300V, 2 Pair 16AWG (7x24) Tinned Copper, PVC Insulation E1 Color Code, Individual & Overall Beldfoil® Shield, PVC Inner Jacket, Aluminum Interlock Armor, Black PVC Outer Jacket, 105C Dry 75C Wet CSA HLABCD SUN RES -40C

Technical Specifications

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	2	16 AWG	7x24	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PVC - Polyvinyl Chloride	0.025 in (0.64 mm)	0.108 in (2.74 mm)	ICEA Chart E1

Inner Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	18 AWG (7x26) TC

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	16 AWG (7x24) TC

Inner Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord	Color
PVC - Polyvinyl Chloride	0.047 in (1.2 mm)	0.512 in (13.0 mm)	Yes	Black

Armor

Armor Type & Material	Armor Thickness	Diameter Over Armor
AIA - Aluminum Interlock Armor	0.025 in (0.64 mm)	0.737 in (18.7 mm)

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.052 in (1.3 mm)	0.841 in	Yes

Overall Cable Diameter (Nominal): 0.841 in

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Inner Shield DCR	Max. Current
4.2 Ohm/1000ft	5.4 Ohm/1000ft (18 Ohm/km)	5 Amps per Conductor at 30°C

Voltage

Voltage Rating
300 V (CEC ACIC)

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.
10.09 in (256.3 mm)	10.09 in

Max. Pull Tension:	200 lbs (91 kg)
Bulk Cable Weight:	274 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance
Flammability / Reaction to Fire:	FT4
CEC / C(UL) Compliance:	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: 0.226 Revision Date: 12-20-2022
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Part Numbers

Variants

Item #	Putup Type	UPC
23527 06010000	Reel	612825323112
23527 0602500	Reel	612825323129
23527 0605000	Reel	612825323136
23527 0605000	Reel	612825323136
23527 0607500	Reel	612825323143
23527 0085000	Reel	

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