



Product: [24500](#)

ACIC 600V, 1 Pr #16 Str TC, PVC Ins E1, OS, PVC Jkt, AIA Armor, Blk PVC Jkt, 105C Dry 75C Wet CSA HLABCD SUN RES -40C

Product Description

Canadian Instrumentation Cable TC-ACIC 600V, 1 Pair 16AWG (7x24) Tinned Copper, PVC Insulation E1 Color Code, Overall Beldfoil® Shield, PVC Inner Jacket, Aluminum Interlock Armor, Black PVC Outer Jacket, 105C Dry 75C Wet CSA HLABCD SUN RES -40C

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
16	7x24	TC - Tinned Copper	2

Conductor Count:	2
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Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.03 in

Color Chart

Number	Color
1	Black & White

Inner Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.34 in	0.045 in	Yes

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	18

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord	Separator Material
PVC - Polyvinyl Chloride	0.617 in	0.052 in	Yes	Polyester Tape
	0.64 in			

Construction and Dimensions

Armor

Type of Armor	Material	Diameter over Armoring
Interlocked	Aluminum	0.513 in

Electrical Characteristics

Conductor DCR

Element	Individual Pair Nominal Shield DCR	Nominal Conductor DCR
16 AWG	6.7 Ohm/1000ft	4.2 Ohm/1000ft
		14.7 Ohm/1000ft

Voltage

Description	Voltage Rating [V]
CEC ACIC	600 V

Temperature Range

Installation Temp Range:	-25°C To +105
Wet Temp Range:	-40°C To +75 °C
Dry Temp Range:	-40°C To +105 °C

Mechanical Characteristics

Bulk Cable Weight:	171 lbs/1000ft
Max. Pull Tension:	200 lbs
Min Bend Radius/Minor Axis:	7.7 in

Standards

CEC/C(UL) Compliance:	ACIC
CSA AWM Compliance:	C22.2#239, Type ACIC, C22.2#174, HLABCD, C22.2#0.3, Clause 4.31 Low Acid Test

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2006-01-01
MII Order #39 (China RoHS):	Yes

Suitability

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

Flammability, LSOH, Toxicity Testing

CSA Flammability:	FT4
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Putup Type	UPC
24500 0105000	Reel	612825324218
24500 0105000	Reel	612825324218
24500 06010000	Reel	612825324225
24500 06010000	Reel	612825324225
24500 0602500	Reel	612825324232
24500 0605000	Reel	612825324249
24500 0605000	Reel	612825324249
24500 0607500	Reel	612825324263

History

Update and Revision:	Revision Number: 0.147 Revision Date: 02-16-2021
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