




Product: [23507](#) 

ACIC 300V, 1 Tri #16 Str TC, PVC Ins E1, OS, PVC Jkt, AIA Armor, Blk PVC Jkt, 105C Dry 75C Wet CSA HLBCD SUN RES -40C

Product Description

Canadian Instrumentation Cable TC-ACIC 300V, 1 Triad 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 HLBCD SUN RES -40C

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Triads
16	7x24	TC - Tinned Copper	1

Conductor Count:	3
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Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.025 in

Inner Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.329 in	0.047 in

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	Ripcord
PVC - Polyvinyl Chloride	0.613 in	Yes

Construction and Dimensions

Armor

Type of Armor	Material	Diameter over Armoring
Interlocked	Aluminum	0.509 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
4.2 Ohm/1000ft	5.86 Ohm/1000ft

Voltage

Non-UL Description	Non-UL Voltage Rating
CSA ACIC	300

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	190 lbs/1000ft
Max. Pull Tension:	200 lbs
Min Bend Radius/Minor Axis:	7.4 in

Standards

CSA AWM Compliance:	C22.2 #239 Type ACIC, C22.2 #174 HL BCD, Clause 4.31 Low Acid Test
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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

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

Plenum (Y/N):	No
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Part Number

Variants

Item #	Putup Type	UPC
23507 06010000	Reel	612825322399
23507 0602500	Reel	612825322405
23507 0602500	Reel	612825322405
23507 0605000	Reel	612825322412
23507 0605000	Reel	612825322412
23507 0105000	Reel	

History

Update and Revision:	Revision Number: 0.137 Revision Date: 02-16-2021
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