



Product: [24502](#)

ACIC 600V, 4 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 600V, 4 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

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
16	7x24	TC - Tinned Copper	4

Conductor Count:	8
------------------	---

Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.03 in

Color Chart

Number	Color
1	Black & White and Numbered 1
2	Black & White and Numbered 2
3	Black & White and Numbered 3
4	Black & White and Numbered 4

Inner Shield Material

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

Inner Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.673 in	0.063 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	16

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord	Separator Material
PVC - Polyvinyl Chloride	0.997 in	0.052 in	Yes	Polyester Tape
	0.98 in			Polyester Tape

Construction and Dimensions

Armor

Type of Armor	Material	Diameter over Armoring
Interlocked	Aluminum	0.893 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:	450 lbs/1000ft
Max. Pull Tension:	200 lbs
Min Bend Radius/Minor Axis:	11.75 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, LS0H, Toxicity Testing

CSA Flammability:	FT4
-------------------	-----

Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

Part Number

Variants

Item #	Putup Type	UPC
24502 0602500	Reel	612825324300
24502 0605000	Reel	612825324317
24502 0605000	Reel	612825324317
24502 01010000	Reel	
24502 06010000	Reel	

History

Update and Revision:	Revision Number: 0.153 Revision Date: 02-16-2021
----------------------	--

© 2021 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.