



Product: [26523](#)

ACIC 300V, 2 Tri #18 Str TC, PVC Ins E1, IS/OS, PVC Jkt, SIA Armor, Blk PVC Jkt, 105C Dry 75C Wet CSA HLBCD SUN RES -40C

Product Description

Canadian Instrumentation Cable TC-ACIC 300V, 2 Triad 18AWG (7x26) Tinned Copper, PVC Insulation E1 Color Code, Individual & Overall Beldfoil® Shield, PVC Inner Jacket, Steel Interlock Armor, Black PVC Outer Jacket, 105C Dry 75C Wet CSA HLBCD SUN RES -40C

Technical Specifications

Product Overview

Suitable Applications:	Instrumentation
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Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	3	18 AWG	7x26	TC - Tinned Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.025 in (0.64 mm)	0.096 in (2.4 mm)	Red, Black, White

Inner Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	20 AWG (7x28) TC

Outer Shield

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

Inner Jacket

Separator	Material	Nom. Thickness	Nom. Diameter	Ripcord
Polyester Tape	PVC - Polyvinyl Chloride	0.047 in (1.2 mm)	0.507 in (12.9 mm)	Yes

Armor

Armor Type & Material	Armor Thickness	Armor Material Diameter
SIA - Steel Interlock Armor	0.025 in (0.64 mm)	0.727 in (18.5 mm)

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.052 in (1.3 mm)	0.831 in (21.1 mm)

Overall Cable Diameter (Nominal):	0.831 in (21.1 mm)
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Inner Shield DCR	Max. Current
Triad(s)	7.4 Ohm/1000ft	7.06 Ohm/km (2.15 Ohm/1000ft)	9.1 Amps per Conductor at 30°C

Voltage

Voltage Rating
300 V (ACIC)

Mechanical Characteristics

Temperature

Operating
-40°C To +75°C Wet, -40°C To +105°C Dry

Bend Radius

Stationary Min.	Installation Min.
9.97 in (253 mm)	9.97 in (253 mm)

Max. Pull Tension:	369.4 lbs (167.6 kg)
Bulk Cable Weight:	452 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, Sunlight Resistance, UV Resistance
Flammability / Reaction to Fire:	FT4
CEC / C(UL) Compliance:	HL, ACIC

History

Update and Revision:	Revision Number: 0.87 Revision Date: 01-23-2023
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