



Product: [21351](#)

TC-CIC 1000V, 3+G C #12 Str BC, XLPE Ins, Blk PVC Jkt, 90C Dry/Wet CSA HL SUN RES DIR BUR

Product Description

CSA Tray TC-CIC 1000V, 3+G Conductor 12AWG (7x20) Bare Copper, XLPE Insulation, Black PVC Outer Jacket, 90C Dry/Wet CSA HL SUN RES DIR BUR

Technical Specifications

Product Overview

Suitable Applications:	CEC Power and Control Applications
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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	3	12 AWG	7x20	BC - Bare Copper
Ground Wire	1	14 AWG	7x22	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	XLP, XLPO, XLPE (Thermoset)	0.0450 in (1.14 mm)	0.180 in (4.57 mm)	ICEA Chart E2
Ground Wire	XLP, XLPO, XLPE (Thermoset)	0.0450 in (1.14 mm)	0.163 in (4.14 mm)	Green

Outer Shield

Shield Type	Material	Coverage
Tape	Polypropylene Foam	100%

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.057 in (1.4 mm)	0.538 in	Yes

Overall Cable Diameter (Nominal):	0.538 in
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Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	1.69 Ohm/1000ft	30 Amps per Conductor at 30°C
Ground Wire	2.68 Ohm/1000ft (8.79 Ohm/km)	25 Amps per Conductor at 30°C

Voltage

Voltage Rating
1000 V (CSA TC)

Mechanical Characteristics

Temperature

Operating	Installation
-40°C To +90°C	-25°C TO +90°C

Bend Radius

Stationary Min.	Installation Min.
6.45 in (164 mm)	6.45 in

Max. Pull Tension:	315 lbs (143 kg)
Bulk Cable Weight:	163 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance, Burial
CEC / C(UL) Compliance:	CSA 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: 0.45 Revision Date: 02-03-2025
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Part Numbers

Variants

Item #	Putup Type
21351 0102500	Reel
21351 0105000	Reel

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