Belden



Product: 21505

TC-CIC 600V, 7 C #14 Str BC, XLPE Ins, Blk PVC Jkt, 90C Dry/Wet CSA HL SUN RES DIR BUR

Product Description

CSA Tray TC-CIC 600V, 7 Conductor 14AWG (7x22) 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 Application

Construction Details

Conductor

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

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
	XLP, XLPO, XLPE (Thermoset)	0.030 in (0.76 mm)	0.132 in (3.35 mm)	Black and Numbered
Ground	XLP, XLPO, XLPE (Thermoset)		0.132 in (3.35 mm)	Green

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.073 in (1.9 mm)	0.583 in (14.8 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	2.52 Ohm/1000ft (8.27 Ohm/km)	20 Amps per Conductor at 30ºC
Ground Wire		

Voltage

Voltage Rating
600 V (CSA TC)

Mechanical Characteristics

Temperature

Operating	Installation
Wet/Dry: -40°C to 90°C	-25°C To +90

Bend Radius

Installation Min.
3.48 in (88.4 mm)

Max. Pull Tension:	141 lbs (64.0 kg)

Standards and Compliance

Environmental Suitability:	Indoor/OutdoorDirect Burial, Indoor, Outdoor, Sunlight Resistance, UV Resistance, Burial
AWM Compliance:	C22.2#230 Type TC, C22.2#239 Type CIC
CEC / C(UL) Compliance:	TC, CIC
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.48 Revision Date: 10-07-2026

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