



**Product:** [21466](#) 

TC- RW90 1000V, 3+G C #1 Str BC, XLPE Ins, Blk PVC Jkt, 90C Dry/Wet  
CSA HL SUN RES DIR BUR

## Product Description

CSA Tray TC- RW90 1000V, 3+G Conductor 1 AWG (19x14) 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	1 AWG	19x14	BC - Bare Copper
Ground Wire	1	6 AWG	7x14	BC - Bare Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	XLP, XLPO, XLPE (Thermoset)	0.080 in (2.0 mm)	0.487 in (12.4 mm)	Black, Red, Blue
Ground Wire	XLP, XLPO, XLPE (Thermoset)			Green

#### Outer Shield

<b>Material</b>
No Shield

#### Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.0950 in (2.41 mm)	1.259 in	Yes

Overall Cable Diameter (Nominal):	1.259 in
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	0.13 Ohms/1000 ft	145 Amps per Conductor at 30°C
Ground Wire	0.42 Ohm/1000ft (1.4 Ohm/km)	

#### Voltage

UL Voltage Rating	Voltage Rating
1000 V	1000 V (CSA TC)

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating	Installation
90°C Dry, 90°C Wet	Wet/Dry: -25°C to 90°C	-25°C To +90

#### Bend Radius

Stationary Min.	Installation Min.
2.404 in (61.06 mm)	6.295 in

Max. Pull Tension:	3508.3 lbs (1591.3 kg)
Bulk Cable Weight:	1294 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor/Outdoor Direct Burial, Indoor, Outdoor, Sunlight Resistance, UV Resistance, Burial
Flammability / Reaction to Fire:	FT4
AWM Compliance:	C22.2 #230 Type TC
CEC / C(UL) Compliance:	1000V Type RW90 TC, CSA TC
APAC Compliance:	China RoHS II (GB/T 26572-2011)

## History

Update and Revision:	Revision Number: 0.45 Revision Date: 02-18-2026
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