

Product: 21464

TC- RW90 1000V, 4+G C #2 Str BC, XLPE Ins, Blk PVC Jkt, 90C Dry/Wet CSA HL SUN RES DIR BUR

Product Description

CSA Tray TC- RW90 1000V, 4+G Conductor 2 AWG (7x10) 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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	2 AWG	7x10	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)	0.062 in (1.6 mm)	0.407 in (10.3 mm)	Black , White, Red, Blue
Ground Wire	XLP, XLPO, XLPE (Thermoset)		0.407 in (10.3 mm)	Green

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.096 in (2.4 mm)	1.149 in (29.18 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	0.16 Ohm/1000ft (0.52 Ohm/km)	130 Amps per Conductor at 30ºC
Ground Wire		

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.

13.788 in (350.22 mm)	13.788 in (350.22 mm)

Max. Pull Tension:	3088 lbs (1401 kg)
Bulk Cable Weight:	1263 lbs/1000ft (1880 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor/OutdoorDirect Burial, Indoor, Outdoor, Sunlight Resistance, UV Resistance, Burial
Flammability / Reaction to Fire:	UL1685 UL Loading, FT4
NEC / UL Compliance:	Article 336, TC
AWM Compliance:	C22.2 #230 Type TC
CEC / C(UL) Compliance:	1000V Type RW90 TC, CSA TC
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: 0.51 Revision Date: 10-07-2026

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