



Product: [21457](#) 

TC- RW90 1000V, 3+G C #4 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 4 AWG (7x12) 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	4 AWG	7x12	BC - Bare Copper
Ground	1	8 AWG	7x16	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	XLP, XLPO, XLPE (Thermoset)	0.060 in (1.5 mm)	0.347 in (8.81 mm)	Black, Red, Blue
Ground Wire	XLP, XLPO, XLPE (Thermoset)		0.347 in (8.81 mm)	Green

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter	Ripcord
PP - Polypropylene Tape	PVC - Polyvinyl Chloride	0.095 in (2.4 mm)	0.999 in (25.4 mm)	Yes

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	0.264 Ohm/1000ft	95 Amps per Conductor at 30°C
Ground Wire	0.264 Ohm/1000ft (0.866 Ohm/km)	95 Amps per Conductor at 30°C

Voltage

UL Voltage Rating	Voltage Rating
1000 V	1000 V

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
7.99 in (203 mm)	7.99 in (203 mm)

Max. Pull Tension:	2212 lbs (1003 kg)
Bulk Cable Weight:	693 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/OutdoorDirect 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: 0.153 Revision Date: 02-18-2026
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