Belden



Product: 21475

TC- RW90 1000V, 3+G C #3/0 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 3/0 AWG (19x10) 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)	3	3/0	19x10	BC - Bare Copper
Ground Wire	1	4 AWG	7x12	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
	XLP, XLPO, XLPE (Thermoset)	0.055 in (1.4 mm)	0.560 in (14.2 mm)	Black, Red, Blue
Ground Wire	XLP, XLPO, XLPE (Thermoset)		0.560 in (14.2 mm)	Green

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.095 in (2.4 mm)	1.55 in (39.4 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	0.84 ohms/1000ft	145 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
90°C Dry, 90°C Wet	Wet/Dry: -25°C to 90°C

Bulk Cable Weight:	1692 lbs/1000ft (2518 kg/km)

Standards and Compliance

Environmental Suitability:	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
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: 0.16 Revision Date: 10-07-2026

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