Belden



Product: 21666

TC-CIC 600V, 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-CIC 600V, 3+G Conductor 1AWG (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

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	3	1	19x14	BC - Bare Copper
Ground	1	6	7x14	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	XLP, XLPO, XLPE (Thermoset)	0.040 in	0.366 in (9.30 mm)	Black, Red, Blue
Ground	XLP, XLPO, XLPE (Thermoset)		0.366 in (9.30 mm)	Yellow/Green

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.095 in (2.4 mm)	1.097 in	Yes

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR
Conductor(s)	1.6 Ohm/1000ft (5.2 Ohm/km)
Ground Wire	

Voltage

UL Voltage Rating	Voltage Rating
600 V	600 V (CSA TC)

Mechanical Characteristics

Temperature

UL Temperature	Operating
90°C Dry, 90°C Wet	Wet/Dry: -40°C to 90°C

Bulk Cable Weight:	1210 lbs/1000ft (1800 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor/OutdoorDirect Burial, Indoor, Outdoor, Sunlight Resistance
Flammability / Reaction to Fire:	FT4
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: 0.41 Revision Date: 10-07-2026

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