Belden



Product: 21678

TC-CIC 600V, 3+G C #4/0 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 4/0AWG (19x9H) 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	4/0	19x9.5	BC - Bare Copper
Ground	1	4	7x12	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	XLP, XLPO, XLPE (Thermoset)	0.0550 in (1.40 mm)	0.521 in (13.2 mm)	Black, Red, Blue
Ground	XLP, XLPO, XLPE (Thermoset)		0.521 in (13.2 mm)	Green

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.095 in (2.4 mm)	1.541 in (39.14 mm)	Yes

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	1.6 Ohm/1000ft (5.2 Ohm/km)	195 Amps per Conductor at 30ºC
Ground Wire		

Voltage

Voltage Rating
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:	2529 lbs/1000ft (3764 kg/km)

Standards and Compliance

Environmental Suitability:	Indoor/OutdoorDirect Burial, Indoor, Outdoor
Flammability / Reaction to Fire:	FT4
NEC / UL Compliance:	TC

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: 0.15 Revision Date: 10-07-2026

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