Belden



Product: 21673

600V Type TC/CIC, (4) 2/0 AWG (19x) BC+Grd, FR-XLPE/FR-PVC

Product Description

Four 2/0 AWG stranded (19x) bare copper conductors plus ground wire, flame retardant cross-linked polyethylene insulation, flame retardant PVC jacket.

Technical Specifications

Product Overview

Suitable Applications:	CEC Power and Control Applications

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	2/0	19x11	BC - Bare Copper
Ground Wire	1	6	7x14	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, White
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)	1.271 in (32.28 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

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:	2159 lbs/1000ft (3213 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: 0.46 Revision Date: 10-07-2026

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