Belden



Product: 21503

600V Type TC/CIC, (5) 14 AWG (7x22) BC+Grd, XLPE/PVC

Product Description

Five 14 AWG stranded (7x22) bare copper conductors plus ground wire, cross-linked polyethylene insulation, PVC jacket.

Technical Specifications

Product Overview

Suitable Applications:	CEC Power and Control Application

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	5	14	7x22	BC - Bare Copper
Ground Wire	1	14 AWG	7x22	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	XLP, XLPO, XLPE (Thermoset)	0.030 in (0.76 mm)	0.132 in (3.35 mm)	Black and Numbered 1, Black and Numbered 2, Black and Numbered 3, Black and Numbered 4, Black and Numbered 5
Ground	XLP, XLPO, XLPE (Thermoset)		0.132 in (3.35 mm)	Green

Outer Shield

Material
No Shield

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.570 in (14.5 mm)	0.47 in	Yes

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	2.52 Ohm/1000ft (8.27 Ohm/km)	20 Amps per Conductor at 30ºC
Ground Wire		

Voltage

Voltage Rating
600 V (CSA TC)

Mechanical Characteristics

Temperature

Operating	Installation
Wet/Dry: -40°C to 90°C	-25°C To +90

Bend Radius

Installation Min.
3.06 in (77.7 mm)

Max. Pull Tension:	188 lbs (85.3 kg)
Bulk Cable Weight:	139 lbs/1000ft (207 kg/km)

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, C22.2#239 Type CIC
CEC / C(UL) Compliance:	CIC, 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: 0.149 Revision Date: 10-07-2026

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