Belden



Product: 21504

600V Type TC/CIC, (6) 14 AWG (7x22) BC+Grd, XLPE/PVC

Product Description

Six 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)	6	14 AWG	7x22	BC - Bare Copper
Ground	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, Black and Numbered 6
Ground	XLP, XLPO, XLPE (Thermoset)		0.132 in (3.35 mm)	Green

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.057 in (1.4 mm)	0.524 in (13.3 mm)	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		25 Amps per Conductor at 30ºC

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

Stationary Min.	Installation Min.
4.19 in (106 mm)	3.06 in (77.7 mm)

Max. Pull Tension:	121 lbs (54.9 kg)

Bulk Cable Weight:	169 lbs/1000ft

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: 0.145 Revision Date: 10-07-2026

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