Belden



Product: 21502

600V Type TC/CIC, (4) 14 AWG (7x22) BC+Grd, XLPE/PVC

Product Description

Four 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 Applications

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	4	14 AWG	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, Red, Blue, White
Ground	XLP, XLPO, XLPE (Thermoset)	0.030 in (0.76 mm)	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)	0.474 in (12.0 mm)	Yes

Overall Cable Diameter (Nominal):	0.448 in

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	2.64 Ohm/1000ft (8.66 Ohm/km)	20 Amps per Conductor at 30ºC
Ground Wire		

Voltage

Voltage Rating
600 V (CSA TC)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
1.792 in (45.52 mm)	2.82 in (71.6 mm)

Max. Pull Tension:	205 lbs (93.0 kg)
Bulk Cable Weight:	142 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/OutdoorDirect Burial, Indoor, Outdoor, Sunlight Resistance, UV Resistance, Burial
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: 0.310 Revision Date: 10-07-2026

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