Belden



Product: 21535

600V Type TC/CIC, (37) 14 AWG (7x22) BC+Grd, XLPE/PVC

Product Description

Thirty-seven 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)	37	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)	0.032 in (0.81 mm)	0.135 in (3.43 mm)	Black and Numbered
Ground Wire	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	0.095 in (2.4 mm)	1.155 in (29.34 mm)	Yes

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	2.64 Ohm/1000ft (8.66 Ohm/km)	17.5 Amps per Conductor at 30°C
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

Installation Min.

6.68 in (170 mm)	

Max. Pull Tension:	2020 lbs (916 kg)
Bulk Cable Weight:	905 lbs/1000ft (1350 kg/km)

Standards and Compliance

Environmental Suitability:	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: 0.141 Revision Date: 10-07-2026

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