Product: C5513

Teck90 600V, 15+G C #14+14 Str BC, XLPE Ins M4, PVC Jkt, AIA Armor, Blk PVC Jkt, CSA HL SUN RES -40C

Product Description

Teck90 600V, 15+G Conductor 14+14AWG (7x22H) Bare Copper, XLPE Insulation M4 Color Code, PVC Inner Jacket, Aluminum Interlock Armor, Black PVC Outer Jacket, CSA HL SUN RES -40C

Technical Specifications

Product Overview

Suitable Applications:	CEC Power and Control Applications up to 600V

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	15	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 mm	Black and Numbered
Ground Wire	No Insulation			

Outer Shield

Material
No Shield

Inner Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.063 in (1.6 mm)	0.746 in (18.9 mm)

Armor

Armor Type & Material	Diameter Over Armor
AIA - Aluminum Interlock Armor	0.971 in (24.7 mm)

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.048 in (1.2 mm)	1.067 in (27.10 mm)	Yes

Overall Cable Diameter (Nominal):	1.067 in (27.10 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	2.7 Ohm/1000ft	17.5 Amps per Conductor at 30ºC
Ground Wire	2.67 Ohm/1000ft (8.76 Ohm/km)	

Voltage

Voltage Rating

600 V (TECK 90)

Mechanical Characteristics

Temperature

Operating	Installation
-40°C To +90°C	-25°C To +90°C

Bend Radius

Stationary Min.	Installation Min.
8.53 in (217 mm)	8.53 in (217 mm)

Max. Pull Tension:	200 lbs (91 kg)
Bulk Cable Weight:	608 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance, Burial
CEC / C(UL) Compliance:	TECK 90, HL
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)

History

Update and Revision:	Revision Number: 0.143 Revision Date: 12-22-2023

Part Numbers

Variants

Item #	Putup Type	UPC
C5513 0102500	Reel	612825282426
C5513 0105000	Reel	612825282433
C5513 0107500	Reel	612825282440
C5513 0102500	Reel	
C5513 0107500	Reel	

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