Belden



Product: C5564

Teck90 600V, 6+G C #10+12 Str BC, XLPE Ins M4, PVC Jkt, AIA Armor, Blk PVC Jkt, CSA HL SUN RES -40C

Product Description

Teck90 600V, 6+G Conductor 10+12AWG (7x18H) 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:	Power and Control Applications up to 600V

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	6	10 AWG	7x18	BC - Bare Copper
Ground Wire	1	12 AWG	7x20	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)	0.174 in (4.42 mm)	Black and Numbered
Ground Wire	No Insulation			

Outer Shield

Material
No Shield

Inner Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord	Color
PVC - Polyvinyl Chloride	0.063 in (1.6 mm)	0.648 in (16.5 mm)	Yes	Black

Armor

Armor Type & Material	Armor Thickness	Diameter Over Armor
AIA - Aluminum Interlock Armor	0.025 in (0.64 mm)	0.873 in (22.2 mm)

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.048 in (1.2 mm)	0.969 in

Overall Cable Diameter (Nominal):	0.969 in

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Max. Current
Conductor(s)	1.04 Ohm/1000ft	32 Amps per Conductor at 30ºC
Ground Wire	1.68 Ohm/1000ft (5.51 Ohm/km)	

Voltage

Voltage Rating
600 V (TECK 90)

Mechanical Characteristics

Temperature

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

Bend Radius

Stationary Min.	Installation Min.
7.752 in (196.9 mm)	7.752 in

Max. Pull Tension:	1127.6 lbs (511.47 kg)
Bulk Cable Weight:	513 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Outdoor, Sunlight Resistance, UV Resistance
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: 0.93 Revision Date: 10-07-2026

Part Numbers

Variants

Item #	Putup Type	UPC
C5564 0101970	Reel	
C5564 0102500	Reel	612825283225
C5564 0105000	Reel	612825283232
C5564 0107500	Reel	612825283249
C5564 010985	Reel	

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