



Product: [C5583](#)

Teck90 1000V, 2+G C #8+10 Str BC, XLPE Ins M4, PVC Jkt, AIA Armor, Blk PVC Jkt, CSA HL SUN RES -40C

Product Description

Teck90 1000V, 2+G Conductor 8+10AWG (7x16H) Bare Copper, XLPE Insulation M4 Color Code, PVC Inner Jacket, Aluminum Interlock Armor, Black PVC Outer Jacket, CSA HL SUN RES -40C

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
8	7x16.5	BC - Bare Copper	2
10		BC - Bare Copper	1

Conductor Count:	2
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Insulation

Material	Nominal Diameter	Nominal Wall Thickness
XLP, XLPO, XLPE (Thermoset)	0.234 in	0.046 in
No Insulation		

Color Chart

Number	Color
1	Black
2	White

Inner Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.594 in	0.063 in

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.915 in	0.048 in

Construction and Dimensions

Armor

Type of Armor	Material	Diameter over Armoring
Interlocked	Aluminum	0.819 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
0.64 Ohm/1000ft

Current

Max. Recommended Current [A]
55 Amps per Conductor at 30°C

Voltage

Description	Non-UL Description	Non-UL Voltage Rating	Voltage Rating [V]
Type TECK 90	TECK 90	1000 V RMS	1000 V RMS

Temperature Range

Installation Temp Range:	-25°C To +90°C
Non-UL Temp Rating:	90°C
Operating Temp Range:	-40°C To +90°C

Mechanical Characteristics

UV Resistance:	Yes
Bulk Cable Weight:	393 lbs/1000ft
Max. Pull Tension:	200 lbs
Min Bend Radius/Minor Axis:	10.98 in

Standards

NEC/(UL) Compliance:	N/A
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Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2006-01-01

Suitability

Suitability - Burial:	Yes
Suitability - Hazardous Locations:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LS0H, Toxicity Testing

CSA Flammability:	FT4
UL voltage rating:	N/A

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Putup Type	UPC
C5583 0103281	Reel	612825283591
C5583 0105000	Reel	
C5583 010984	Reel	
C5583 0109840	Reel	612825283621
C5583 INJ9840	Reel	612825283560
C5583 0104920	Reel	

History

Update and Revision:	Revision Number: 0.34 Revision Date: 02-16-2021
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