Product: [C5533](#) ⧉

Teck90 600V, 5+G C #12+14 Str BC, XLPE Ins M4, PVC Jkt, AIA Armor, Blk PVC Jkt, CSA HL SUN RES -40C

Product Description

Teck90 600V, 5+G Conductor 12+14AWG (7x20H) 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

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	12	7x20	BC - Bare Copper	5
Ground	14	7x22	BC - Bare Copper	1

Conductor Count:	5

Insulation

Material	Nominal Wall Thickness
XLP, XLPO, XLPE (Thermoset)	0.03 in
No Insulation	

Color Chart

Number	Color
1	Black and Numbered 1
2	Black and Numbered 2
3	Black and Numbered 3
4	Black and Numbered 4
5	Black and Numbered 5

Inner Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.499 in

Outer Jacket

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.820 in

Construction and Dimensions

Armor

Type of Armor	Material	Diameter over Armoring
Interlocked	Aluminum	0.724 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
1.65 Ohm/1000ft

Current

Max. Recommended Current [A]
16 Amps per Conductor at 25ºC

Voltage

Non-UL Voltage Rating
600 V RMS

Temperature Range

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

Mechanical Characteristics

UV Resistance:	Yes
Bulk Cable Weight:	348 lbs/1000ft
Max. Pull Tension:	200 lbs
Min. Bend Radius/Minor Axis:	9.9 in

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (RoHS 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

Suitability

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

Flammability, LS0H, Toxicity Testing

UL voltage rating:	N/A

Plenum/Non-Plenum

Plenum (Y/N):	No

Related Part Numbers

Variants

Item #	Put-Up Type	UPC
C5533 01010000	Reel	612825282808
C5533 0102500	Reel	612825282815
C5533 0105000	Reel	612825282822
C5533 0105000	Reel	

History

Update and Revision:	Revision Number: 0.191 Revision Date: 02-03-2025