



**Part Number:** 27851

600V Teck-Style®, (25) 14 AWG (7x22) BC+Grd, XLPE/PVC/PVC, Alum Armor, MC

## Product Description

Twenty-five 14 AWG stranded (7x22) bare copper conductors plus ground wire, cross-linked polyethylene insulation, PVC inner jacket, aluminum interlocked armor, PVC outer jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

Element	AWG	Stranding	Material	No. of Conductors
	14	7x22	BC - Bare Copper	25
Ground Wire	14	7x22	BC - Bare Copper	
<b>Total Number of Conductors:</b>				25

#### Insulation:

Material	Nominal Wall Thickness
XLPE - Cross Linked Polyethylene	0.03 in

#### Color Chart 1:

Number	Color
1	Black
2	Red
3	Blue
4	Orange
5	Yellow
6	Brown
7	Red/Black
8	Blue/Black
9	Orange/Black
10	Yellow/Black
11	Brown/Black
12	Black/Red
13	Blue/Red
14	Orange/Red
15	Yellow/Red
16	Brown/Red
17	Black/Blue
18	Red/Blue
19	Orange/Blue
20	Yellow/Blue
21	Brown/Blue
22	Black/Orange
23	Red/Orange
24	Blue/Orange
25	Yellow/Orange

**Stranding:**

Lay Length
PVC mm

**Innerjacket:**

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.92 in

**Outershield 1:**

Material
Unshielded

**Outerjacket 1:**

Nominal Diameter
1.3 in

#### Armor:

Type of Armor	Material	Diameter over Armoring
Interlocked Armor	Aluminum	1.18 mm

## Electrical Characteristics

#### Conductor DCR:

Nominal Conductor DCR
2.6 Ohm/1000ft

#### Current:

Max. Recommended Current [A]
6.8 Amps per conductor @ 25°C

#### Voltage:

UL Voltage Rating
600 V RMS

## Use

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	810 lbs

## Safety

CSA Flammability:	FT4
IEEE Flammability:	1202
Other Flammability:	ICEA T-29-520
UL Flammability:	UL1685 UL Loading

## Temperature Range

Dry Temp Range:	-40°C To +90 °C
Operating Temp Range:	-40°C To +90°C
Wet Temp Range:	-40°C To +90°C

## Mechanical Characteristics

<b>Min Bend Radius/Minor Axis:</b>	16.3 in
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## Part Number

<b>Plenum (Y/N):</b>	No
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## Standards

<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	CA Prop 65 (CJ for Wire & Cable)
<b>CSA AWM Specification:</b>	CSA Specification
<b>MII Order #39 (China RoHS):</b>	MII Order #39 (China RoHS)
<b>NEC/(UL) Specification:</b>	NEC/(UL) Specification
<b>EU Directive Compliance:</b>	EU Directive 2003/11/EC (BFR)

## History

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