



**Part Number:** 27849

600V Teck-Style®, (15) 14 AWG (7x22) BC+Grd, XLPE/PVC/PVC, Alum Armor, MC

## Product Description

Fifteen 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	15
Ground Wire	14	7x22	BC - Bare Copper	
<b>Total Number of Conductors:</b>				15

#### 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

**Stranding:**

Lay Length
PVC mm

**Innerjacket:**

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.77 in

**Outersheild 1:**

Material
Unshielded

**Outerjacket 1:**

Nominal Diameter
1.14 in

**Armor:**

Type of Armor	Material	Diameter over Armoring
Interlocked Armor	Aluminum	1.03 mm

**Electrical Characteristics**

**Conductor DCR:**

Nominal Conductor DCR	
2.6 Ohm/1000ft	

## Current:

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

## Voltage:

UL Voltage Rating	
600 V RMS	

## Use

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	481 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

Min Bend Radius/Minor Axis:	13.7 in
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## Part Number

Plenum (Y/N):	No
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## Standards

CA Prop 65 (CJ for Wire & Cable):	CA Prop 65 (CJ for Wire & Cable)
CSA AWM Specification:	CSA Specification
MII Order #39 (China RoHS):	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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