



**Part Number:** 27847

600V Teck 90, (10) 14 AWG (7x22) BC+Grd, XLPE/PVC/PVC, Alum Armor, MC

## Product Description

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

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

Element	AWG	Stranding	Material	No. of Conductors
	14	7x22	BC - Bare Copper	10
Ground Wire	14	7x22	BC - Bare Copper	
<b>Total Number of Conductors:</b>				10

#### 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

### Stranding:

Lay Length
PVC mm

### Innerjacket:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.67 in

### Outersheild 1:

Material
Unshielded

### Outerjacket 1:

Nominal Diameter
1.04 in

### Armor:

Type of Armor	Material	Diameter over Armoring
Interlocked Armor	Aluminum	0.93 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:	321 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:	12.5 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)
NEC/(UL) Specification:	NEC/(UL) Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

## History

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