



**Part Number:** 29007

600V ACIC, (20) 16 AWG (7x24) BC+Grd,  
XLPE/PVC/PVC, Alum Armor

## Product Description

Twenty 16 AWG stranded (7x24) bare copper conductors plus bare copper 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
	16	7x24	BC - Bare Copper	20
Ground Wire	16	7x24	BC - Bare Copper	
<b>Total Number of Conductors:</b>				20

#### Insulation:

Material
FR-XLPE - Flame Retardant Cross Linked Polyethylene

#### Color Chart 1:

Number	Color
1	White and Numbered 1
2	Black and Numbered 2
3	Black and Numbered 3
4	Black and Numbered 4
5	Black and Numbered 5
6	Black and Numbered 6
7	Black and Numbered 7
8	Black and Numbered 8
9	Black and Numbered 9
10	Black and Numbered 10
11	Black and Numbered 11
12	Black and Numbered 12
13	Black and Numbered 13
14	Black and Numbered 14
15	Black and Numbered 15
16	Black and Numbered 16
17	Black and Numbered 17
18	Black and Numbered 18
19	Black and Numbered 19
20	Black and Numbered 20

**Stranding:**

Lay Length
Yes mm

**Outershield 1:**

Material
Unshielded

**Outerjacket 1:**

Material	Nominal Diameter
FR PVC - Flame Retardant Polyvinyl Chloride	0.77 in
	1.13 in

**Armor:**

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

**Electrical Characteristics**

## Conductor DCR:

### Nominal Conductor DCR

4.2 Ohm/1000ft

## Current:

### Max. Recommended Current [A]

7 Amps per conductor @ 25°C

## Voltage:

### Non-UL Voltage Rating

600 V RMS

## Use

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	347 lbs

## Safety

CSA Flammability:	FT4
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## Temperature Range

Dry Temp Range:	-40°C To +90 °C
Non-UL Temp Rating:	90°C Wet/Dry
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)
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

## History

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