



**Part Number:** 29020

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

## Product Description

Seven 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	7
Ground Wire	16	7x24	BC - Bare Copper	
<b>Total Number of Conductors:</b>				7

#### Insulation:

Material
XLPE - 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

**Stranding:**

Lay Length
PVC mm

**Outersheild 1:**

Material
Unshielded

**Outerjacket 1:**

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.47 in
	0.77 in

**Armor:**

Type of Armor	Material	Diameter over Armoring
Interlocked Armor	Aluminum	0.67 mm

**Electrical Characteristics**

**Conductor DCR:**

Nominal Conductor DCR
4.2 Ohm/1000ft

**Capacitance:**

Nom. Capacitance Conductor to Conductor
25 pF/ft

**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:	132 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:	9.2 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

Notes:	Nominal Loop Inductance: .204 µH/ft.
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