



Product: [29006](#)

600V ACIC, (12) 16 AWG (7x24) BC+Grd, XLPE/PVC/PVC, AIA Armor

Product Description

Twelve 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.

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors
16	7x24	BC - Bare Copper	12
16		BC - Bare Copper	

Conductor Count:	12
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Insulation

Material
XLP, XLPO, XLPE (Thermoset)

Color Chart

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

Inner Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.63 in

Outer Shield Material

Material
No Shield

Outer Jacket Material

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.94 in

Construction and Dimensions

Armor

Type of Armor	Material	Diameter over Armoring
Interlocked	Aluminum	0.83 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
4.2 Ohm/1000ft

Current

Max. Recommended Current [A]
7 Amps per Conductor at 25°C

Voltage

Non-UL Voltage Rating
600 V RMS

Temperature Range

Non-UL Temp Rating:	90°C
UL Temp Rating:	N/A
Operating Temp Range:	-40°C To +90°C
Wet Temp Range:	-40°C To +90 °C
Dry Temp Range:	-40°C To +90 °C

Mechanical Characteristics

Bulk Cable Weight:	441 lbs/1000ft
Max. Pull Tension:	215 lbs
Min Bend Radius/Minor Axis:	11.2 in

Standards

CSA AWM Compliance:	C22.2#239, HAZ LOC, C22.2#0.3 Clause 4.31 Low Acid Gas
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Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU RoHS Compliance Date (yyyy-mm-dd):	2006-01-01
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Burial:	Yes
Suitability - Hazardous Locations:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LSOH, Toxicity Testing

CSA Flammability:	FT4
UL voltage rating:	N/A

Plenum/Non-Plenum

Plenum (Y/N):	No
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History

Update and Revision:	Revision Number: 0.173 Revision Date: 06-24-2020
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