



Part Number: 29016

600V ACIC, (50) 16 AWG (7x24) BC+Grd,
XLPE/PVC/PVC, Alum Armor

Product Description

Fifty 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	50
Ground Wire	16	7x24	BC - Bare Copper	
Total Number of Conductors:				50

Insulation:

Material
FR-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
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
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36	Black and Numbered 36
37	Black and Numbered 37
38	Black and Numbered 38
39	Black and Numbered 39
40	Black and Numbered 40
41	Black and Numbered 41
42	Black and Numbered 42
43	Black and Numbered 43
44	Black and Numbered 44
45	Black and Numbered 45

46	Black and Numbered 46
47	Black and Numbered 47
48	Black and Numbered 48
49	Black and Numbered 49
50	Black and Numbered 50

Stranding:

Lay Length
Yes mm

Outersheild 1:

Material
Unshielded

Outerjacket 1:

Material	Nominal Diameter
FR PVC - Flame Retardant Polyvinyl Chloride	1.19 in
	1.54 in

Armor:

Type of Armor	Material	Diameter over Armoring
Interlocked Armor	Aluminum	1.45 mm

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
4.2 Ohm/1000ft

Current:

Max. Recommended Current [A]
5 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:	843 lbs
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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:	18.8 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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