



Part Number: 29008

600V ACIC, (30) 16 AWG (7x24) BC+Grd,
XLPE/PVC/PVC, Alum Armor

Product Description

Thirty 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	30
Ground Wire	16	7x24	BC - Bare Copper	
Total Number of Conductors:				30

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
18	Black and Numbered 18
19	Black and Numbered 19
20	Black and Numbered 20
21	Black and Numbered 21
22	Black and Numbered 22
23	Black and Numbered 23
24	Black and Numbered 24
25	Black and Numbered 25
26	Black and Numbered 26
27	Black and Numbered 27
28	Black and Numbered 28
29	Black and Numbered 29
30	Black and Numbered 30

Stranding:

Lay Length

Yes mm

Outershield 1:

Material

Unshielded

Outerjacket 1:

Material	Nominal Diameter
FR PVC - Flame Retardant Polyvinyl Chloride	0.94 in
	1.3 in

Armor:

Type of Armor	Material	Diameter over Armoring
Interlocked Armor	Aluminum	1.2 mm

Electrical Characteristics

Conductor DCR:

Nominal Conductor DCR
4.2 Ohm/1000ft

Current:

Max. Recommended Current [A]
6 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:	512 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:	15.8 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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