



Part Number: 29006

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

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

Element	AWG	Stranding	Material	No. of Conductors
	16	7x24	BC - Bare Copper	12
Ground Wire	16	7x24	BC - Bare Copper	
Total Number of Conductors:				12

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
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

Stranding:

Lay Length
PVC mm

Outershield 1:

Material
Unshielded

Outerjacket 1:

Material	Nominal Diameter
PVC - Polyvinyl Chloride	0.63 in
	0.94 in

Armor:

Type of Armor	Material	Diameter over Armoring
Interlocked Armor	Aluminum	0.83 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:	215 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:	11.2 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

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