



Part Number: 29009

600V ACIC, (40) 16 AWG (7x24) BC+Grd,
XLPE/PVC/PVC, Alum Armor

Product Description

Forty 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 | 40 |
| Ground Wire | 16 | 7x24 | BC - Bare Copper | |
| Total Number of Conductors: | | | | 40 |

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 |
| 31 | Black and Numbered 31 |
| 32 | Black and Numbered 32 |
| 33 | Black and Numbered 33 |
| 34 | Black and Numbered 34 |
| 35 | Black and Numbered 35 |
| 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 |

Stranding:

Lay Length

Yes mm

Outersield 1:

Material

Unshielded

Outerjacket 1:

Material

Nominal Diameter

FR PVC - Flame Retardant Polyvinyl Chloride

1.06 in

1.41 in

Armor:

Type of Armor

Material

Diameter over Armoring

Interlocked Armor

Aluminum

1.32 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:

678 lbs

Safety

CSA Flammability:

FT4

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: | 17.3 in |
|-----------------------------|---------|

Part Number

| | |
|---------------|----|
| Plenum (Y/N): | No |
|---------------|----|

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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