



**Part Number:** 3069A

300V, (12 triad) 16 AWG (7x24) BC, (1) 16 AWG (7x24) BC,  
FR-PVC/FR-PVC, Foil Shld, PLTC-ER, CMG

## Product Description

Twelve 16 AWG triads stranded (7x24) bare copper conductors, twisted triads, flame retardant PVC insulation, individually shielded plus an overall Beldfoil® shield (100% coverage), flame retardant PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Conductors	No. of Triads
16	7x24	BC - Bare Copper	1	12
22	7x30	BC - Bare Copper		
<b>Total Number of Conductors:</b>			37	

#### Insulation:

Material
F-R PVC - Flame Retardant Polyvinyl Chloride

#### Color Chart 2:

Number	Number
1	Black & White & Red and Numbered 1
2	Black & White & Red and Numbered 2
3	Black & White & Red and Numbered 3
4	Black & White & Red and Numbered 4
5	Black & White & Red and Numbered 5
6	Black & White & Red and Numbered 6
7	Black & White & Red and Numbered 7
8	Black & White & Red and Numbered 8
9	Black & White & Red and Numbered 9
10	Black & White & Red and Numbered 10
11	Black & White & Red and Numbered 11
12	Black & White & Red and Numbered 12
13	Orange

### Stranding:

Twists
4.8 twist/ft

### Innershield:

Type	Material	Material Trade Name	Coverage [%]	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	18	7x26 mm
				TC - Tinned Copper	

### Outershield 1:

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	16	7x24 mm

### Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
FR PVC - Flame Retardant Polyvinyl Chloride	1 in	0.074 in	Yes

## Electrical Characteristics

### Conductor DCR:

Element	Nominal Conductor DCR	Nominal Inner Shield DCR	Nominal Outer Shield DCR
16 AWG	4.2 Ohm/1000ft	5.4 Ohm/1000ft	5 Ohm/1000ft
22 AWG	14.7 Ohm/1000ft		

### Voltage:

## UL Voltage Rating

300 V RMS

## Use

Suitability - Sunlight Resistance:

Yes

Max Recommended Pulling Tension:

1500 lbs

## Safety

CSA Flammability:

FT4

ICEA Flammability:

T-29-520

IEEE Flammability:

1202

UL Flammability:

UL1685 FT4 Loading

## Temperature Range

Operating Temp Range:

-30°C To +105°C

## Mechanical Characteristics

Min Bend Radius/Minor Axis:

10 in

## Part Number

Plenum (Y/N):

No

## Standards

CA Prop 65 (CJ for Wire & Cable):

CA Prop 65 (CJ for Wire & Cable)

CEC/C(UL) Specification:

CEC/C(UL) Specification

MII Order #39 (China RoHS):

MII Order #39 (China RoHS)

NEC/(UL) Specification:

NEC/(UL) Specification

UL AWM Style:

AWM Specification

EU Directive Compliance:

EU Directive 2003/11/EC (BFR)

## History

Notes:

Alternate color coding available upon request.

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