



**Part Number:** 25511

600V ACIC, (4 pr) 16 AWG (7x24) TC, PVC/PVC/PVC, Foil Shld, Steel Armor

## Product Description

Four 16 AWG pairs stranded (7x24) tinned copper conductors, PVC insulation, PVC inner jacket, individual plus an overall Beldfoil® shield (100% coverage), steel interlocked armor, PVC outer jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Pairs
16	7x24	TC - Tinned Copper	4
<b>Total Number of Conductors:</b>			8

#### Insulation:

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.03 in

#### Color Chart 1:

Number	Color
1	Black & White and Numbered 1
2	Black & White and Numbered 2
3	Black & White and Numbered 3
4	Black & White and Numbered 4

### 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	

### Innerjacket:

Material	Nominal Diameter	Ripcord
PVC - Polyvinyl Chloride	0.68 in	Yes

### 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	Ripcord	Separator Material
PVC - Polyvinyl Chloride	0.98 in	Yes	Polyester
	0.98 in		Mylar®

### Aarmor:

Type of Armor	Material
Interlocked Armor	Steel

## Electrical Characteristics

### Conductor DCR:

Element	Individual Pair Nominal Shield DCR	Nominal Conductor DCR
16 AWG	6.7 Ohm/1000ft	4.2 Ohm/1000ft
22 AWG		14.7 Ohm/1000ft

### Voltage:

Description	Voltage Rating [V]
CEC ACIC	600 V

## Use

Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	411 lbs

## Safety

CSA Flammability:	FT4
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## Temperature Range

Dry Temp Range:	-40 °C To +105 °C
Installation Temp Range:	-25 °C To +105 °C
Wet Temp Range:	-40 °C To +75 °C

## Mechanical Characteristics

Min Bend Radius/Minor Axis:	11.75 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)
Other Specification:	Other Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

## History

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