



**Part Number:** 27149A

600V Tray, (2) 8 AWG (7x16) BC+Grd, PVC-NYL/PVC, TC

## Product Description

Two 8 AWG stranded (7x16) bare copper conductors plus ground wire, PVC/Nylon insulation, PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

Element	AWG	Stranding	Material	No. of Conductors
	8	7x16	BC - Bare Copper	2
Ground Wire	10	7x18	BC - Bare Copper	
<b>Total Number of Conductors:</b>				2

#### Insulation:

Material
PVC/Nylon - Polyvinyl Chloride/Nylon

#### Color Chart 1:

Color
Black and Numbered

#### Stranding:

Lay Length
Y mm

#### Outershield 1:

Material
Unshielded

#### Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.56 in	0.06 in

## Electrical Characteristics

#### Conductor DCR:

Nominal Conductor DCR
0.64 Ohm/1000ft

#### Current:

Max. Recommended Current [A]
55 Amps per conductor @ 25°C

#### Voltage:

UL Voltage Rating
600 V RMS

## Use

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	384 lbs

## Safety

C(UL) Flammability:	FT4
ICEA Flammability:	T-29-520
IEEE Flammability:	1202
UL Flammability:	UL1685 UL Loading

## Temperature Range

Dry Temp Range:	-30°C To +90 °C
UL Temp Rating:	75°C Wet

Wet Temp Range:	-30°C To +75°C
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## Mechanical Characteristics

Min Bend Radius/Minor Axis:	5.6 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)
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MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
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NEC/(UL) Specification:	NEC/(UL) Specification
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Other Specification:	Other Specification
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EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
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## History

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