



**Part Number:** 1096A

600V Tray, (24 triad) 18 AWG (7x26) BC, PVC-NYL/PVC,  
Foil Shld, TC-ER

## Product Description

Twenty-four 18 AWG triads stranded (7x26) bare copper conductors, twisted triads, PVC/Nylon insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Triads
18	7x26	BC - Bare Copper	24
<b>Total Number of Conductors:</b>			72

#### Insulation:

Material
PVC/Nylon - Polyvinyl Chloride/Nylon

#### Color Chart 1:

Number	Color
1	Black printed #1
2	Black printed #2
3	Black printed #3
4	Black printed #4
5	Black printed #5
6	Black printed #6
7	Black printed #7
8	Black printed #8
9	Black printed #9
10	Black printed #10
11	Black printed #11
12	Black printed #12
13	Black printed #13
14	Black printed #14
15	Black printed #15
16	Black printed #16
17	Black printed #17
18	Black printed #18
19	Black printed #19
20	Black printed #20
21	Black printed #21
22	Black printed #22
23	Black printed #23
24	Black printed #24

**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	Black & White & Red and numbered 13
14	Black & White & Red and numbered 14
15	Black & White & Red and numbered 15
16	Black & White & Red and numbered 16
17	Black & White & Red and numbered 17
18	Black & White & Red and numbered 18
19	Black & White & Red and numbered 19
20	Black & White & Red and numbered 20
21	Black & White & Red and numbered 21
22	Black & White & Red and numbered 22
23	Black & White & Red and numbered 23
24	Black & White & Red and numbered 24

**Stranding:**

Lay Length	Twists
2.5 in	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 %	20	7x28 mm
				TC - Tinned Copper	

**Cabling 1:**

Lay Length	Twists
15.5 in	0.77 twist/ft

**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	18	7x26 mm

### Outerjacket 1:

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	1.284 in	0.084 in	Yes

## Electrical Characteristics

### Conductor DCR:

Nominal Conductor DCR	Nominal Inner Shield DCR	Nominal Outer Shield DCR
5.86 Ohm/1000ft	7.11 Ohm/1000ft	4 Ohm/1000ft

### Current:

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

### Voltage:

UL Voltage Rating
600 V RMS (NEC Type TC)
150 V RMS (NPLF)

## Use

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	1971 lbs

## Safety

C(UL) Flammability:	FT4
IEEE Flammability:	1202
UL Flammability:	UL1685 UL Loading

## Temperature Range

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

## Mechanical Characteristics

<b>Min Bend Radius/Minor Axis:</b>	13 in
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## Part Number

<b>Plenum (Y/N):</b>	No
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## Standards

<b>CA Prop 65 (CJ for Wire &amp; Cable):</b>	CA Prop 65 (CJ for Wire & Cable)
<b>MII Order #39 (China RoHS):</b>	MII Order #39 (China RoHS)
<b>NEC/(UL) Specification:</b>	NEC/(UL) Specification
<b>Other Specification:</b>	Other Specification
<b>EU Directive Compliance:</b>	EU Directive 2003/11/EC (BFR)
<b>EU CE Mark:</b>	EU CE Mark

## History

<b>Notes:</b>	Triad groups are numbered for ease of identification. Alternate color coding available upon request.
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