



**Part Number:** 1040A

600V Tray, (6 pr) 16 AWG (7x24) BC, PVC-NYL/PVC, Foil Shld, TC-ER

## Product Description

Six 16 AWG pairs stranded (7x24) bare copper conductors, twisted pairs, PVC/Nylon insulation, individually shielded plus an overall Beldfoil® shield (100% coverage), PVC jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Pairs
16	7x24	BC - Bare Copper	6

Total Number of Conductors:	12
Total Number of Triads:	N/A

#### Insulation

Material
PVC/Nylon - Polyvinyl Chloride/Nylon

#### Color Chart

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
5	Black & White and Numbered 5
6	Black & White and Numbered 6

#### Inner Shield Material

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
	TC - Tinned Copper					

#### Outer Shield Material

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

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.67 in	0.064 in	Yes

### Construction and Dimensions

Total Number of Pairs:	6
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#### Conductor DCR

Individual Pair Nominal Shield DCR	Nominal Conductor DCR	Nominal Outer Shield DCR
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5.07 Ohm/1000ft	3.67 Ohm/1000ft	3.01 Ohm/1000ft
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## Impedance

### Nominal Characteristic Impedance

50 Ohm

## Inductance

### Nominal Inductance

0.182 µH/ft

## Voltage

### UL Voltage Rating

600V RMS (NEC Type TC)

150 V RMS (NPLF)

## Applicable Standards & Environmental Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/96/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
EU RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes
Other Specification:	ICEA S-73-532, S-61-402

## Standards

NEC/(UL) Specification:	NPLF, TC-ER
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## Flame Test

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

## Safety

UL Voltage Rating:	600 V RMS (NEC Type TC)
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## Suitability

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes

## Mechanical Characteristics

Operating Temp Range:	Wet: -30°C To +75°C , Dry: -30°C To +90°C
Wet Temp Range:	-30°C To +75 °C
Dry Temp Range:	-30°C To +90 °C
Bulk Cable Weight:	200(lbs/1000ft)
Max Recommended Pulling Tension:	428(lbs)
Min Bend Radius/Minor Axis:	6.7(in)

## Temperature Range

UL Temp Rating:	75°C Dry, 90°C Wet
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## Plenum/Non-Plenum

Plenum (Y/N): No

## History

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### Variants

Item #	Color
1040A 0105000	BLACK

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