

Part Number: 3090A

600V Tray, (1 pr) 16 AWG (7x24) BC, PVC-NYL/PVC, Foil Shld, TC

## Product Description

One 16 AWG pair stranded (7x24) bare copper conductors, twisted pairs, PVC/Nylon insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

## Product Specifications

## Technical Specifications

### Construction and Dimensions

#### Conductor:

AWG	Stranding	Material	No. of Pairs
16	7x24	BC - Bare Copper	1
<b>Total Number of Conductors:</b>			2

#### Insulation:

Material
PVC/Nylon - Polyvinyl Chloride/Nylon

#### Color Chart 1:

Number	Color
1	Black & White

#### 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	0.3 in	0.047 in	Yes

## Electrical Characteristics

### Conductor DCR:

Nominal Conductor DCR	Nominal Conductor Loop DCR	Nominal Outer Shield DCR
3.67 Ohm/1000ft	17.32 Ohm/1000ft	4.99 Ohm/1000ft

### Capacitance:

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
50 pF/ft	87 pF/ft

### Inductance:

Nominal Inductance
0.091 $\mu$ H/ft

### Voltage:

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

## Use

Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	105 lbs

## Safety

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

## Temperature Range

Dry Temp Range:	-25°C To +90 °C
Wet Temp Range:	-30°C To +75 °C

## Mechanical Characteristics

Min Bend Radius/Minor Axis:	3 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)
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
Other Specification:	Other Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)

## History

Notes:	Alternate color coding available upon request. Transmission Characteristics: L/R Ratio of Pair (R in Series) 12 microhenries/Ohm.
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## Product Variants

Part Number	Color	Put-Up Type	Length
3090A 01010000	BLACK	Reel	10000 ft
3090A 0102500	BLACK	Reel	2500 ft
3090A 0105000	BLACK	Reel	5000 ft

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