



Part Number: 3091A

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

 [Request Sample](#)

Product Description

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

Technical Specifications

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Conductors	No. of Triads
16	7x24	BC - Bare Copper	3	1

Conductor Count:	3
Total Number of Pairs:	N/A
Total Number of Triads:	1
Conductor Size:	16 AWG

Insulation

Material	Nominal Diameter
PVC/Nylon - Polyvinyl Chloride/Nylon	0.101 in

Color Chart

Number	Color
1	Red
2	White
3	Black

Color Chart 2

Number	Color
1	Black & White & Red

Outer Shield Material

Type	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	18	7x26 mm

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.315 in	0.047 in	Yes

Construction and Dimensions

Stranding

Twists
5.33 twist/ft

Electrical Characteristics

Conductor DCR

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

Shielding:	Foil(s) or Copper Tape(s)
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Voltage

UL Voltage Rating
600 V RMS
150 V RMS

Temperature Range

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

Mechanical Characteristics

Bulk Cable Weight:	67 lbs/1000ft
Max Recommended Pulling Tension:	129 lbs
Min Bend Radius/Minor Axis:	3.1 in

Standards

NEC/(UL) Specification:	NPLF, TC-ER
Other Specification:	ICEA S-73-532, S-61-402

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	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 RoHS Compliance Date (yyyy-mm-dd):	2005-04-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Burial:	Yes
Suitability - Indoor:	Yes
Suitability - Outdoor:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
CSA Flammability:	FT4
IEEE Flammability:	1202
UL voltage rating:	600 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

Item #	Color
3091A 01010000	Black

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