

Part Number: 3090AE

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

Product Description

One 16 AWG pair stranded (7x24) bare copper plus ground wire, one 16 AWG stranded (7x24) bare copper conductor, twisted pairs, PVC-Nylon insulation, overall Beldfoil® shield (100% coverage), PVC jacket.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

Element	AWG	Stranding	Material	No. of Conductors	No. of Pairs
	16	7x24	BC - Bare Copper	1	1
Ground Wire	16	7x24	BC - Bare Copper		
Total Number of Conductors:				3	

Insulation:

Material
PVC/Nylon - Polyvinyl Chloride/Nylon
PVC/Nylon - Polyvinyl Chloride/Nylon

Color Chart 1:

Number	Color
1	Black & White
2	Green
1	Black & White

Stranding:

Lay Length
Y mm

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	0.39 in	0.048 in	Yes

Electrical Characteristics

Conductor DCR:

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

Capacitance:

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

Inductance:

Nominal Inductance
0.176 µH/ft

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:	130 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
Wet Temp Range:	-30°C To +75°C

Mechanical Characteristics

Min Bend Radius/Minor Axis:	3.9 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.
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Product Variants

Part Number	Color	Put-Up Type	Length
3090AE 0101000	BLACK	Reel	1000 ft
3090AE 0105000	BLACK	Reel	5000 ft

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