



Part Number: 1031A

300V, (1 triad) 16 AWG (7x24) BC, PVC/PVC, Foil Shld, PLTC-ER, CMG

Product Description

One 16 AWG triad stranded (7x24) bare copper conductors, twisted triads, PVC 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	1	1

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

Insulation

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.016 in

Color Chart 2

Number	Color
1	Black & Red & White and Numbered

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	18	7x26 mm

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness	Ripcord
PVC - Polyvinyl Chloride	0.299 in	0.037 in	Yes

Construction and Dimensions

Stranding

Twists
6 twist/ft

Cabling

Filler
Polypropylene Filler

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
3.7 Ohm/1000ft	4.9 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Other Conductor to Shield
54.1 pF/ft	97.3 pF/ft

Inductance

Nominal Inductance

0.156 µH/ft

Voltage

UL Voltage Rating

300V RMS

Temperature Range

UL Temp Rating:	105°C
Operating Temp Range:	-30°C To +105°C

Mechanical Characteristics

Bulk Cable Weight:	58.3 lbs/1000ft
Max Recommended Pulling Tension:	61 lbs
Min Bend Radius/Minor Axis:	2.9 in

Standards

NEC/(UL) Specification:	CMG, ITC, PLTC
CEC/C(UL) Specification:	CMG
UL AWM Style:	UL Style 2464 (300 V 80°C)

Applicable Environmental and Other 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 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

Suitability

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes

Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 FT4 Loading
CSA Flammability:	FT4
IEEE Flammability:	1202

Part Number

Plenum (Y/N):	No
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Variants

Item #	Color	Footnote
1031A 0101000	BLACK	C
1031A 01010000	BLACK	C Z
1031A 0105000	BLACK	C Z
1031A 0061000	BLUE, LIGHT	C
1031A 00610000	BLUE, LIGHT	C

Footnote:	C - CRATE REEL PUT-UP.
Footnote:	Z - FINAL PUT-UP MAY VARY (= OR -) 10% FOR SPOOLS OR REELS AND (+ OR -) 5% FOR UNREEL CARTONS FROM LENGTH SHOWN.

Product Notes

Notes:	Alternate color coding available upon request.
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