



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.

Product Specifications

Technical Specifications

Construction and Dimensions

Conductor:

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

Insulation:

Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.016 in

Color Chart 2:

Number	Number
1	Black & Red & White and Numbered

Stranding:

Twists
6 twist/ft

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	0.271 in	0.037 in	Yes

Print Legend:	LEGEND: BELDEN 1031A E34972 1TRD16 SHIELDED (UL) CMG 105C OR PLTC OR ITC SUN RES OR AWM 2464 80C 300V OR C(UL) CMG ---FT4 IEEE 1202 (2 FT, 7 DIGIT SEQUENTIAL NUMBER) FEET
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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
300 V RMS

Use

Suitability - Burial:	Yes
Suitability - Sunlight Resistance:	Yes
Max Recommended Pulling Tension:	61 lbs

Safety

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

Temperature Range

Operating Temp Range:	-30°C To +105°C
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Mechanical Characteristics

Min Bend Radius/Minor Axis:	2.7 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)
CEC/C(UL) Specification:	CEC/C(UL) Specification
MII Order #39 (China RoHS):	MII Order #39 (China RoHS)
NEC/(UL) Specification:	NEC/(UL) Specification
UL AWM Style:	AWM Specification
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	EU CE Mark

History

Notes:	Alternate color coding available upon request.
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Product Variants

Part Number	Color	Put-Up Type	Length
1031A 00610000	BLUE, LIGHT	Reel	10000 ft
1031A 0061000	BLUE, LIGHT	Reel	1000 ft
1031A 01010000	BLACK	Reel	10000 ft
1031A 0101000	BLACK	Reel	1000 ft
1031A 0105000	BLACK	Reel	5000 ft

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