

## 1031A Triad - 300V Power-Limited Tray Cable



For more Information  
please call

1-800-Belden1

**General Description:**

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

**Physical Characteristics (Overall)****Conductor**

AWG:

# Conductors	# Triads	AWG	Stranding	Conductor Material
1	1	16	7x24	BC - Bare Copper

Total Number of Conductors: 3

**Insulation**

Insulation Material:

Insulation Material	Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.016

**Inner Shield**

Inner Shield Color Code Chart:

Number	Color
1	Black & Red & White and Numbered

**Outer Shield**

Outer Shield Material:

Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
18	7x26	TC - Tinned Copper

**Outer Jacket**

Outer Jacket Material:

Outer Jacket Material	Nom. Wall Thickness (in.)
PVC - Polyvinyl Chloride	0.037

Outer Jacket Ripcord: Yes

**Overall Cable**

Overall Nominal Diameter: 0.285 in.

**Pair**

Pair Lay Length & Direction:

Twists (twist/ft)
6

**Mechanical Characteristics (Overall)**

Operating Temperature Range: -30°C To +105°C

Bulk Cable Weight: 58.300 lbs/1000 ft.

Max. Recommended Pulling Tension: 61 lbs.

Min. Bend Radius/Minor Axis: 1.140 in.

**Applicable Specifications and Agency Compliance (Overall)****Applicable Standards & Environmental Programs**

NEC(UL) Specification: CMG, ITC-ER, PLTC-ER

CEC/C(UL) Specification: CMG

AWM Specification: UL Style 2464 (300 V 80°C)

EU Directive 2011/65/EU (ROHS II): Yes

EU CE Mark: Yes

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EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2002/95/EC (RoHS):	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005
EU Directive 2002/96/EC (WEEE):	Yes
EU Directive 2003/11/EC (BFR):	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes
MIL Order #39 (China RoHS):	Yes

## Flame Test

UL Flame Test:	UL1685 FT4 Loading
CSA Flame Test:	FT4
IEEE Flame Test:	1202

## Suitability

Suitability - Burial:	Yes
Sunlight Resistance:	Yes

## Plenum/Non-Plenum

Plenum (Y/N):	No
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## Surface Printing (Overall)

## Electrical Characteristics (Overall)

## Nom. Inductance:

Inductance (µH/ft)
.156

## Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)
54.1

## Nom. Capacitance Cond. to Other Conductor &amp; Shield:

Capacitance (pF/ft)
97.3

## Nom. Conductor DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
3.7

## Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)
4.9

## Max. Operating Voltage - UL:

Voltage
300 V RMS

## Notes (Overall)

Notes: Alternate color coding available upon request.

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
1031A 0061000	1,000 FT	60.000 LB	BLUE, LIGHT	C	3 #16 PVC FS PVC
1031A 00610000	10,000 FT	600.000 LB	BLUE, LIGHT	C	TRANSFER REVIEW (20 TO 30)
1031A 0101000	1,000 FT	58.000 LB	BLACK	C	3 #16 PVC FS PVC
1031A 01010000	10,000 FT	600.000 LB	BLACK	C Z	3 #16 PVC FS PVC
1031A 0105000	5,000 FT	295.000 LB	BLACK	C Z	3 #16 PVC FS PVC

## Notes:

C = CRATE REEL PUT-UP.

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

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## 1031A Triad - 300V Power-Limited Tray Cable

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