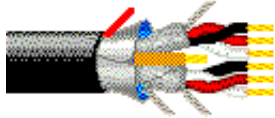


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3031A



Triad - 300V Power-Limited Tray Cable

18 AWG triads stranded (7x26) bare copper conductors, twisted triads, PVC insulation, individually shielded plus an overall Beldfoil (100% coverage), PVC jacket.

**For more Information
Please call**

1-800-Belden1



[Click here for Certificate](#)

Put Ups and Colors:

Item ##	Putup	Ship Weight	Color	Notes	Item Desc
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Physical Characteristics (Overall)

Conductor

AWG:

# Triads	AWG	Stranding	Conductor Material
4	18	7x26	BC - Bare Copper

Total Number of Conductors: 13

Insulation

Insulation Material:

Insulation Material
PVC - Polyvinyl Chloride

Communication Wire

Communication Wire AWG: 22
Communication Wire Material: BC - Bare Copper
Communication Wire Stranding: 7x30

Inner Shield

Inner Shield Material:

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

Inner Shield Drain Wire AWG:

AWG
20

Inner Shield Drain Wire Stranding: 7x28

Inner Shield Drain Wire Conductor Material: TC - Tinned Copper

Inner Shield Color Code Chart:

Number	Color
1	Black & White & Red and Numbered 1
2	Black & White & Red and Numbered 2
3	Black & White & Red and Numbered 3
4	Black & White & Red and Numbered 4
Communication Wire	Orange

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	.053

Outer Jacket Ripcord: Yes

Overall Cable

Overall Nominal Diameter: 0.533 in.

Mechanical Characteristics (Overall)

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

Bulk Cable Weight: 183 lbs/1000 ft.

Max. Recommended Pulling Tension: 350 lbs.

Min. Bend Radius/Minor Axis: 5.300 in.

Applicable Specifications and Agency Compliance (Overall)

Applicable Standards & Environmental Programs

NEC/(UL) Specification: PLTC, ITC, CMG

CEC/C(UL) Specification:	CMG
AWM Specification:	UL Style 2464 (300 V 80°C)
EU Directive 2011/65/EU (ROHS II):	Yes
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
ICEA Flame Test:	T-29-520

Suitability

Sunlight Resistance:	Yes
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Plenum/Non-Plenum

Plenum (Y/N):	No
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Electrical Characteristics (Overall)

Nom. Inductance:

Inductance (μH/ft)	.17
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Nom. Capacitance Conductor to Conductor:

Capacitance (pF/ft)	54
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Nom. Capacitance Cond. to Other Conductor & Shield:

Capacitance (pF/ft)	101
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Nom. Conductor DC Resistance:

Description	DCR @ 20°C (Ohm/1000 ft)
18 AWG	5.86
22 AWG	14.7

Nom. Inner Shield DC Resistance:

Description	DCR @ 20°C (Ohm/1000 ft)
	10.3

Nominal Outer Shield DC Resistance:

DCR @ 20°C (Ohm/1000 ft)

4.8

Max. Operating Voltage - UL:

Voltage

300 V RMS

Close

Revision Number: 1 Revision Date: 05-14-2007

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