

1031A Triad - 300V Power-Limited Tray Cable

 	<p>For more information please call 1-800-Belden1</p> <p><u>See Put-ups and Colors</u></p> <p>Related Documents : ICEA Table E1.pdf</p>
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Description:

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

PHYSICAL CHARACTERISTICS:

CONDUCTOR:

Number of Triads	1
Number of Conductors	1
Total Number of Conductors	3
AWG	16
Stranding	7x24
Conductor Material	BC - Bare Copper

COMMUNICATION WIRE:

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

INSULATION:

Insulation Material	F-R PVC - Flame Retardant Polyvinyl Chloride
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TRIAD:

Triad Twists/ft.	6
Triad Lay Length & Direction	2

INNER SHIELD :

Triad Inner Shield Color Code Chart :

Number	Color
1	Black & Red & White and Numbered

OUTER SHIELD:

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

1031A Triad - 300V Power-Limited Tray Cable

OUTER SHIELD DRAIN WIRE :

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

OUTER JACKET:

Outer Jacket Material	F-R PVC - Flame Retardant Polyvinyl Chloride
Outer Jacket Nominal Wall Thickness	.037 in.
Outer Jacket Ripcord	Yes

OVERALL NOMINAL DIAMETER:

Overall Nominal Diameter	.271 in.
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MECHANICAL CHARACTERISTICS:

Operating Temperature Range	-30°C To +105°C
Bulk Cable Weight	58.3 lbs/1000 ft.
Max. Recommended Pulling Tension	129 lbs.
Min. Bend Radius (Install)	2.7 in.

APPLICABLE SPECIFICATIONS AND AGENCY COMPLIANCE:

APPLICABLE STANDARDS:

NEC/(UL) Specification	PLTC, ITC, CMG
CEC/C(UL) Specification	CMG
AWM Specification	UL Style 2464 (300 V 105°C)
EU CE Mark (Y/N)	Yes
EU RoHS Compliant (Y/N)	Yes
EU RoHS Compliance Date (mm/dd/yyyy):	04/01/2005

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)	N
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ELECTRICAL CHARACTERISTICS:

Nom. Inductance	.156 µH/ft
Nom. Capacitance Conductor to Conductor @ 1 KHz	54.1 pF/ft
Nom. Cap. Cond. to Cond. & Shield @ 1 KHz	97.3 pF/ft

1031A Triad - 300V Power-Limited Tray Cable

Nom. Conductor DC Resistance @ 20 Deg. C	3.7 Ohms/1000 ft
Nominal Outer Shield DC Resistance	4.9 Ohms/1000 ft
Max. Operating Voltage - UL	300 V RMS

NOTES:

Notes	Alternate color coding available upon request.
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PUT-UPS AND COLORS:

Item	Description	Put-Up (ft.)	Ship Weight (lbs.)	Jacket Color	Notes
1031A 0101000	3 #16 PVC FS PVC	1000	58	BLACK	C
1031A 01010000	3 #16 PVC FS PVC	10000	610	BLACK	C Z

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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