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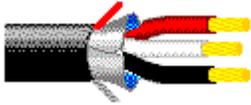
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## FULL TECHNICAL SPECS



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

Total # Cond.		# Triads			
3		1			
AWG	Stranding	Type	Insulation	Insulation Thickness (in.)	Shield
16	(7x24)	BC - Bare Copper	PVC - Polyvinyl Chloride	.01600	Aluminum Foil-Polyester Tape
Jacket	Jacket Thickness (in.)	Nom. Core OD (in.)	Nom. OD (in.)	Nom. Cond. DCR (Ohms/M')	Nom. Cap. (pF/ft)
PVC - Polyvinyl Chloride	.0370	.1970	.2710	3.700	54.100

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#### Description

Multi-conductor, 1 Triad (3 conductors), 16 AWG, stranded (7x24) BC - Bare Copper conductors, PVC - Polyvinyl Chloride insulation, overall Aluminum Foil-Polyester Tape (Beldfoil) shield with 18 AWG stranded (7x26) tinned copper drain wire, 100% shield coverage, sunlight resistant PVC - Polyvinyl Chloride jacket with nylon ripcord. Applicable Specification: UL Type PLTC, ITC, or CMG or C(UL) CMG, FT4, IEEE 1202. Flame Resistance: Vertical Tray Flame Test. Industrial Automation & Process Control Cables. Power Limited Tray Cable. Other insulation and jacket options are available. These cables are suitable for installation in wet or dry locations. Cable jackets are sunlight resistant, impervious to moisture and vapor penetration, and non-propagating. Alternate conductor color coding is available as a special order. Multiple triad cables have each triad numbered for ease of identification. Overall shield - recommended for use in instrumentation and control applications where signals are transmitted in excess of 100 millivolts except in areas where high voltage and current sources create excessive noise interference. BELDFOIL is a Belden registered trademark.

Disclaimer: Great effort is made to ensure the accuracy of the information presented, but errors or omissions may occur. This listing of information is presented as a courtesy and does not ensure that a product with these specifications is available. Specification and availability should be confirmed with a call to our sales representative or to Customer Service. Have a question? Call us at 1-800-BELDEN-1 or send us a [comment](#)

10/29/02

# TECHNICAL DATA

Customer Number \* 000001

Customer Name \* 

To display Technical Data, enter a Product Code and press Go.

Product Code	<input type="text" value="1031A"/>	Go
	Example: 9269	
Product Search		

11-10-00 REV. 4

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1031A

## I. DESCRIPTION

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POWER LIMITED TRAY CABLE - THREE CONDUCTOR 16(7X24) AWG  
BARE COPPER, PVC INSULATION, OVERALL BELDFOIL SHIELD  
WITH 18 (7X26) TINNED COPPER DRAIN WIRE, PVC JACKET  
WITH NYLON RIPCORD.

## II. ELECTRICAL CHARACTERISTICS:

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MAX. OPERATING VOLTAGE:	300 V RMS
NOM. CONDUCTOR DC RESISTANCE @ 20 DEG. C :	3.7 OHMS/1000 FT.
NOM. SHIELD DC RESISTANCE @ 20 DEG. C :	4.9 OHMS/1000 FT.
NOM. CAPACITANCE BETWEEN ADJACENT CONDUCTORS @ 1 KHZ:	54.1 PF/FT.
NOM. CAPACITANCE CONDUCTOR TO SHIELD @ 1 KHZ WITH THE OTHER CONDUCTORS CONNECTED TO THE SHIELD:	97.3 PF/FT.
NOM. INDUCTANCE BETWEEN ADJACENT CONDUCTORS:	.156 MICRO-H/FT.

## III. PHYSICAL CHARACTERISTICS:

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TEMPERATURE RATING:	-30 TO +105 DEG.C
JACKET MATERIAL (COLOR):	PVC (BLACK) SUN RES
TYPE SHIELD AND % COVERAGE:	ALUM/POLYESTER-100%

OVERALL LAY LENGTH: 2" (6 TWISTS/FT)  
MAX. PULLING TENSION: 129 LBS  
MIN. BEND RADIUS: 2.7"  
NOM. WEIGHT/1000 FT.: 58.3 LBS.  
CABLE DIAMETER: .271" AVG.  
APPLICABLE SPECIFICATION: UL TYPE PLTC, ITC, OR CMG  
OR C(UL) CMG, FT4,  
IEEE 1202  
COLOR CODE: BLACK, WHITE & RED  
FLAME RESISTANCE: VERTICAL TRAY FLAME TEST