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FULL TECHNICAL SPECS



3000A Paired - Power Limited Tray Cable 300 Volts

Total # Cond.		# Pairs			
4		2			
AWG	Stranding	Type	Insulation	Insulation Thickness (in.)	Shield
22	(7x30)	BC - Bare Copper	PVC - Polyvinyl Chloride	.01400	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	.0430	.2220	.3080	15.000	31.000

For technical data, click the button below Tech Data or call 1-888-Belden8	For available colors, click the button below Put-ups & Colors or call 1-888-Belden8
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Description

Paired, 2 pairs (22 AWG, stranded (7x30) BC - Bare Copper conductors, PVC - Polyvinyl Chloride insulation) plus 1 Communication Wire (22 AWG, stranded (7x30) BC - Bare Copper conductors, PVC - Polyvinyl Chloride insulation), overall Aluminum Foil-Polyester Tape (Beldfoil) shield with 22 AWG stranded (7x30) tinned copper drain wire, 100% shield coverage, sunlight resistant PVC - Polyvinyl Chloride jacket with a nylon ripcord. Applicable Specifications: UL PLTC, ITC, CMG, C(UL) CMG, IEEE 1202. Flame Resistance: UL 1581 Vertical Tray, CSA FT4 Vertical Tray. Power Limited Tray Cable. Industrial Automation & Process Control Cables. Tinned conductors available as a special. 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 pair cables have each pair 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](#)

08/27/02

Belden Wire & Cable Company

Product Code
3000A

TECHNICAL
DATA SHEET

06-01-00 REV. 15

3000A

I. DESCRIPTION:

POWER LIMITED TRAY CABLE - 2 PAIRS OF 22 AWG (7X30)
BARE COPPER WITH PVC INSULATION, 22 AWG (7X30) BARE
COPPER COMMUNICATION WIRE WITH ORANGE PVC INSULATION,
OVERALL BELDFOIL SHIELD WITH A 22 AWG (7X30) TINNED
COPPER DRAIN WIRE, PVC JACKET WITH A NYLON RIPCORD.

II. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE: 300 V RMS
NOM. PAIR CAPACITANCE @ 1 KHZ: 31 PF/FT. ESTIMATED
NOM. GROUNDED CAPACITANCE @ 1 KHZ: 48 PF/FT. ESTIMATED
NOM. INDUCTANCE OF PAIRS: .2 MICRO-H/FT. ESTD.
NOM. CONDUCTOR DCR @ 20 C: 15 OHMS/1000 FT.

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING: -30 TO +105 DEG. C
INSULATION MATERIAL: PVC
JACKET MATERIAL: PVC - SUN RES
TYPE SHIELD AND % COVERAGE: ALUM/POLYESTER; 100%
OVERALL DIAMETER: .308" NOMINAL
MAX. PULLING TENSION: 46 LBS. ESTIMATED
MIN. BEND RADIUS: 3" ESTIMATED
NOM. WEIGHT/1000 FT.: 37 LBS. ESTIMATED
APPLICABLE SPECIFICATIONS: UL PLTC, ITC, CMG
C(UL) CMG, IEEE 1202
FLAME RESISTANCE: UL 1581 VERTICAL TRAY
CSA FT4 VERTICAL TRAY
COLOR CODE: BLACK/WHITE AND
NUMBERED, ORANGE
COMMUNICATION WIRE

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END OF DATA FOR PRODUCT - 3000A

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