

7201A Multi-Conductor - 300V Flex Data Cables



For more Information
please call

1-800-Belden1

**General Description:**

24 AWG stranded (41x40) bare copper conductors, twisted pairs, foam polyethylene insulation with skin, overall Beldfoil® (100% coverage), tinned copper braid shield (85% coverage), oil-resistant PVC jacket.

Usage (Overall)

Suitable Applications: Flex Data, RS232, RS485

Physical Characteristics (Overall)**Conductor**

AWG:

# Pairs	AWG	Stranding	Conductor Material
2	24	41x40	BC - Bare Copper

Total Number of Conductors: 4

Insulation

Insulation Material:

Insulation Material
FPE - Foam Polyethylene
PE - Polyethylene

Insulation Resistance: 6.1 Megohms/1000 ft. minimum

Outer Shield

Outer Shield Material:

Layer #	Outer Shield Trade Name	Type	Outer Shield Material	Coverage (%)
1	Beldfoil®	Tape	Aluminum Foil-Polyester Tape	100
2		Braid	TC - Tinned Copper	85

Outer Shield Drain Wire AWG:

AWG	Stranding	Drain Wire Conductor Material
24	41x40	TC - Tinned Copper

Outer Jacket

Outer Jacket Material:

Outer Jacket Material
PVC - Polyvinyl Chloride

Overall Cable

Overall Cabling Color Code Chart:

Number	Color
1	White/Blue & Blue/White
2	White/Orange & Orange/White

Overall Nominal Diameter: 0.322 in.

Mechanical Characteristics (Overall)

Operating Temperature Range: -20°C To +60°C

UL Temperature Rating: 60°C

Bulk Cable Weight: 43.500 lbs/1000 ft.

Max. Recommended Pulling Tension: 68 lbs.

Min. Bend Radius/Minor Axis: 3.200 in.

Min. Bend Radius (Continuous Flexing): 4.500 in.

Flex Cycle Rating: 1 Million

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

NEC(UL) Specification: CM

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CEC/C(UL) Specification: CM

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): 10/01/2005

EU Directive 2002/96/EC (WEEE): Yes

EU Directive 2003/11/EC (BFR): Yes

CA Prop 65 (CJ for Wire & Cable): Yes

MII Order #39 (China RoHS): Yes

Other Specification: RS Type: 232/485

Flame Test

UL Flame Test: UL1685 UL Loading

Suitability

Oil Resistance: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Max. Capacitance Conductor to Conductor:

Capacitance (pF/ft)

15

Nominal Velocity of Propagation:

VP (%)

72

Max. Operating Voltage - UL:

Voltage

300 V RMS

Differential Impedance @ 1 MHz: 120 +/-15

Notes (Overall)

Notes: 1 million flex cycles based on proper installation techniques in a C-track cable guide.

Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7201A X4P1000	1,000 FT	60.000 LB	GREEN X4P	C	2 PR #24 FHDPE/HDPE SH PVC
7201A X4P500	500 FT	31.000 LB	GREEN X4P	C	2 PR #24 FHDPE/HDPE SH PVC

Notes:

C = CRATE REEL PUT-UP.

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