Detailed Specifications & Technical Data

ENGLISH MEASUREMENT VERSION

7201A Multi-Conductor - 300V Flex Data Cables

For more Information
please call

1-800-Belden1

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

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 (Install)/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
CEC/C(UL) Specification:	CM
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.

Related Documents:

No related documents are available for this product

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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