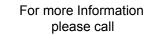
# **Detailed Specifications & Technical Data**

METRIC MEASUREMENT VERSION



#### 7201A Multi-Conductor - 300V Flex Data Cables



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 Wh		White/Orange & Orange/White		

Overall Nominal Diameter: 8.179 mm

Mechanical Characteristics (Overall)					
Operating Temperature Range:	-20°C To +60°C				
UL Temperature Rating:	60°C				
Bulk Cable Weight:	64.737 Kg/Km				
Max. Recommended Pulling Tension:	302.478 N				

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# **Detailed Specifications & Technical Data**





## 7201A Multi-Conductor - 300V Flex Data Cables

Min. Bend Radius/Minor Axis:	81.280 mm
Min. Bend Radius (Continuous Flexing):	114.300 mm
Flex Cycle Rating:	1 Million

## **Applicable Specifications and Agency Compliance (Overall)**

## **Applicable Standards & Environmental Programs**

iums
CM
CM
Yes
Yes
10/01/2005
Yes
Yes
Yes
Yes
RS Type: 232/485
UL1685 UL Loading
Yes

# Plenum/Non-Plenum

Plenum (Y/N): No

## **Electrical Characteristics (Overall)**

Max. Capacitance Conductor to Conductor:

Capacitance (pF/m) 49.215

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	305 MT	27.216 KG	GREEN X4P	С	2 PR #24 FHDPE/HDPE SH PVC
7201A X4P500	152 MT	14.061 KG	GREEN X4P	С	2 PR #24 FHDPE/HDPE SH PVC

#### Notes:

C = CRATE REEL PUT-UP.

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# **Detailed Specifications & Technical Data**

#### METRIC MEASUREMENT VERSION



#### 7201A Multi-Conductor - 300V Flex Data Cables

# **Test Reports**

i) UL Test Reports are available on-line through the UL Client Document Access web portal.
ii) UL Inspection Reports are also available through the UL Client Document Access web portal.

b) CSA

i) CSA "Descriptive Report and Test Results" documents are available on the CSA Gateway Portal.
ii) CSA Inspection Reports are maintained on the CSA issued 'flash drive' at each manufacturing location.

\* other test data may be available if requested at time of order.

Revision Date: 05-14-2007 Revision Number: 1

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