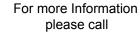
# **Detailed Specifications & Technical Data**

**METRIC MEASUREMENT VERSION** 



### 7202A 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		
3	24	41x40	BC - Bare Copper		

Total Number of Conductors: 6

#### 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	<b>Drain Wire Conductor Material</b>
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
3	White/Green & Green/White

Overall Nominal Diameter: 8.814 mm

Mechanical Characteristics (Overall)					
	Operating Temperature Range:	-20°C To +60°C			
	UL Temperature Rating:	60°C			
	Bulk Cable Weight:	70.392 Kg/Km			

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# **Detailed Specifications & Technical Data**





### 7202A Multi-Conductor - 300V Flex Data Cables

Max. Recommended Pulling Tension:	369.201 N
Min. Bend Radius/Minor Axis:	86.360 mm
Min. Bend Radius (Continuous Flexing):	111.760 mm
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
ame Test	
UL Flame Test:	UL1685 UL Loading

### Fla

### Suitability

Oil Resistance: 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:

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
7202A X4P1000	305 MT	30.844 KG	GREEN X4P	С	3 PR #24 FHDPE/HDPE SH PVC
7202A X4P500	152 MT	15.195 KG	GREEN X4P	С	3 PR #24 FHDPE/HDPE SH PVC

Notes:

C = CRATE REEL PUT-UP.

# **Detailed Specifications & Technical Data**

#### METRIC MEASUREMENT VERSION



### 7202A 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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