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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
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	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
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

## 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 &amp; 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
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## Suitability

Oil Resistance:	Yes
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## Plenum/Non-Plenum

Plenum (Y/N):	No
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## 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
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## 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	C	3 PR #24 FHDPE/HDPE SH PVC
7202A X4P500	152 MT	15.195 KG	GREEN X4P	C	3 PR #24 FHDPE/HDPE SH PVC

## Notes:

C = CRATE REEL PUT-UP.

## Test Reports

### a) UL

- 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.

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