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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, RS422

### Physical Characteristics (Overall)

#### Conductor

##### AWG:

# Pairs	AWG	Stranding	Conductor Material
1	24	41x40	BC - Bare Copper

**Total Number of Conductors:** 2

#### 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

**Overall Nominal Diameter:** 5.893 mm

### Mechanical Characteristics (Overall)

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

**UL Temperature Rating:** 60°C

**Bulk Cable Weight:** 49.706 Kg/Km

**Max. Recommended Pulling Tension:** 182.376 N

## 7205A Multi-Conductor - 300V Flex Data Cables

Min. Bend Radius/Minor Axis:	58.420 mm
Min. Bend Radius (Continuous Flexing):	88.900 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 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: 232/422

## 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)

45.934

## Nominal Velocity of Propagation:

## VP (%)

72

## Max. Operating Voltage - UL:

## Voltage

300 V RMS

Differential Impedance @ 1 MHz:	100 +/-15
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## Notes (Overall)

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

## Put Ups and Colors:

Item #	Putup	Ship Weight	Color	Notes	Item Desc
7205A X4P1000	1,000 FT	38.000 LB	GREEN X4P	C	1 PR #24 FHDPE/HDPE SH PVC

## Notes:

C = CRATE REEL PUT-UP.

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