Detailed Specifications & Technical Data

METRIC MEASUREMENT VERSION



7205A Multi-Conductor - 300V Flex Data Cables

For more Information 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

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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:

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

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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 & Environmental Programs

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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
ame Test	
UL Flame Test:	UL1685 UL Loading

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Suitability

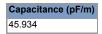
Oil Resistance: Yes

Plenum/Non-Plenum

Plenum (Y/N): No

Electrical Characteristics (Overall)

Max. Capacitance Conductor to Conductor:



Nominal Velocity of Propagation:



Max. Operating Voltage - UL:

Voltage 300 V RMS

> Differential Impedance @ 1 MHz: 100 +/-15

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	С	1 PR #24 FHDPE/HDPE SH PVC

C = CRATE REEL PUT-UP.

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

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