



## Part Number: 7200A

MachFlex™ 300V Data Vision, (1 pr) 24 AWG (41x40) BC, FPE/PVC, Foil+TC Braid Shld

### Product Description

One 24 AWG pair stranded (41x40) bare copper conductors, foamed polyethylene insulation, overall Beldfoil® (100% coverage) plus tinned copper braid shield (85% coverage), drain wire, oil resistant PVC jacket.

### Technical Specifications

#### Product Overview

Suitable Applications:	Flex Data, RS232, RS485
------------------------	-------------------------

#### Physical Characteristics (Overall)

##### Conductor

AWG	Stranding	Material	No. of Pairs
24	41x40	BC - Bare Copper	1

Conductor Count:	2
Total Number of Pairs:	1
Conductor Size:	24 AWG

##### Insulation

Material	Nominal Diameter
FPE - Foamed Polyethylene	0.0705 in

##### Color Chart

Number	Color
1	White & Blue

##### Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	1	Aluminum Foil-Polyester Tape	Beldfoil®	100 %	TC - Tinned Copper	24	41x40 mm
Braid	2	TC - Tinned Copper		85 %			

##### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.261 in	0.045 in

#### Electrical Characteristics

##### Capacitance

Max. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Conductor
15 pF/ft	15 pF/ft

Shielding:	Foil + Braid(s)
------------	-----------------

##### Impedance

Max. Differential Impedance (1MHz)
120 +/-15

##### Delay

Nominal Velocity of Propagation (VP) [%]
72 %

## Voltage

### UL Voltage Rating

300 V RMS

## Temperature Range

UL Temp Rating:	60°C
Operating Temp Range:	-20°C To +60°C

## Mechanical Characteristics

Oil Resistance:	Yes
Flex Cycle Rating:	1 Million
Bulk Cable Weight:	35.6 lbs/1000ft
Max Recommended Pulling Tension:	41 lbs
Min Bend Radius (Continuous Flexing):	3.6 in
Min Bend Radius/Minor Axis:	2.6 in

## Standards

NEC Articles:	800
NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CM
Other Specification:	RS Type: 232/485

## Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Oil Resistance:	Yes
-------------------------------	-----

## Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
UL voltage rating:	300 V RMS

## Plenum/Non-Plenum

Plenum (Y/N):	No
---------------	----

## Part Number

### Variants

Item #	Color	Footnote
7200A X4P1000	Green X4P	C
7200A X4P500	Green X4P	C

Footnote:	C - CRATE REEL PUT-UP.
-----------	------------------------

© 2018 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.