



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
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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)
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Impedance

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

Delay

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

Voltage

UL Voltage Rating

300V 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
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Flammability, LSOH, Toxicity Testing

UL Flammability:	UL1685 UL Loading
UL Voltage Rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No
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Part Number

Variants

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

Footnote:	C - CRATE REEL PUT-UP.
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