

**Product: [7200A](#)**

**MachFlex™, 1 Pr #24 Str BC, PO Ins, OS+TC Brd, PVC Jkt, CM**
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**Product Description**

MachFlex™ for High Flex, 1 Pair 24AWG (41x40) Bare Copper, PO Insulation, Overall Beldfoil®+Tinned Copper Braid(85%) Shield, PVC Outer Jacket, CM

**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
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Total Number of Pairs:	1
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**Insulation**

Material	Nominal Diameter
PE - Polyethylene (Foam)	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	Bi-Laminate (Alum+Poly)	Beldfoil®	85%	TC - Tinned Copper	24	41x40
Braid	2	Tinned Copper (TC)		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

**Impedance**

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

**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. Pull Tension:	41 lbs
Min Bend Radius (Continuous Flexing):	3.6 in
Min Bend Radius/Minor Axis:	2.6 in

## Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CM
CEC/C(UL) Compliance:	CM
Other Compliance:	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
MII Order #39 (China RoHS):	Yes

## Suitability

Suitability - Oil Resistance:	Yes
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## Flammability, LS0H, 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

Item #	Color	Putup Type	Length	UPC
7200A X4P500	Green X4P	Reel	500 ft	612825182689
7200A X4P1000	Green X4P	Reel	1,000 ft	612825182672

Footnote:	C - CRATE REEL PUT-UP.
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## Product Notes

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

Update and Revision:	Revision Number: 0.303 Revision Date: 08-25-2020
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