



Product: [7202A](#)

MachFlex™, 3 Pr #24 Str BC, PO Ins, OS+TC Brd, PVC Jkt, CM

[Request Sample](#)

Product Description

MachFlex™ for High Flex, 3 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	3
Conductor Count:			6
Total Number of Pairs:			3

Insulation

Material	Nominal Diameter
PE - Polyethylene (Foam)	0.0555 in

Color Chart

Number	Color
1	White & Blue
2	White & Orange
3	White & Green

Outer Shield

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	1	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	24	41x40
Braid	2	Tinned Copper (TC)		85%			

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.336 in	0.045 in

Electrical Characteristics

Capacitance

Max. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Conductor
15 pF/ft	15 pF/ft
Min Insulation Resistance: 6.1 Megaohms/1000	

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:	47.3 lbs/1000ft
Max. Pull Tension:	83 lbs
Min. Bend Radius (Continuous Flexing):	4.4 in
Min. Bend Radius/Minor Axis:	3.4 in

Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CM
CEC/C(UL) Compliance:	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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
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

Variants

Item #	Color	Put-Up Type	Length	UPC
7202A X4P500	Green X4P	Reel	500 ft	612825182726
7202A X4P1000	Green X4P	Reel	1,000 ft	612825182719

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: 0.385 Revision Date: 08-27-2021
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