



Product: [7201A](#)

MachFlex™, 2 Pr #24 Str BC, PO Ins, OS+TC Brd, PVC Jkt, CM

Request Sample

Product Description

MachFlex™ for High Flex, 2 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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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	2	24 AWG	41x40	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PE - Polyethylene (Foam)	0.0115	0.0555 in (1.41 mm)	White/Blue & Blue/White, Orange/ White & White/Orange

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (41x40) TC
Braid	Tinned Copper (TC)	89%	

Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.045 in (1.1 mm)	0.322 in

Overall Cable Diameter (Nominal):	0.322 in
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Velocity of Prop.	Max. Current
27.8 Ohm/1000ft	15 pF/ft (49 pF/m)	26 pF/ft (85 pF/m)	72%	1.6 Amps per Conductor at 30°C

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

UL Temperature	Operating
60°C	-20°C to +60°C

Bend Radius

Stationary Min.	Installation Min.
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3.22 in (81.8 mm)	3.22 in
Max. Pull Tension:	87 lbs (39 kg)
Bulk Cable Weight:	56 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor, Oil Resistance, Oil Resistance
Flammability / Reaction to Fire:	UL1685 UL Loading
NEC / UL Compliance:	Article 800, CM
CEC / C(UL) Compliance:	CM
European Directive Compliance:	EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	RS Type: 232/485

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: 0.399 Revision Date: 12-22-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
7201A X4P500	Green X4P	Reel	500 ft	612825182702	C
7201A X4P1000	Green X4P	Reel	1,000 ft	612825182696	C

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