



Product: [7202A](#)

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

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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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Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Pair(s)	3	24 AWG	41x40	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PE - Polyethylene (Foam)	0.0115 in (0.292 mm)	0.0555 in (1.41 mm)	White & Blue, White & Orange, White & Green

Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (41x40) TC
Braid	Tinned Copper (TC)	85%	

Inner Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.0275 in (0.699 mm)	0.275 in (6.99 mm)

Outer Jacket

Material	Nom. Thickness	Nom. Diameter	Ripcord
PVC - Polyvinyl Chloride	0.045 in (1.1 mm)	0.336 in	Yes

Overall Cable Diameter (Nominal):	0.336
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Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Capacitance Cond-to-Other (Conds + Shield)	Nom. Characteristic Impedence	Nom. Velocity of Prop.	Max. Current
28.8 Ohm/1000ft	15 pF/ft (49 pF/m)	27 pF/ft (89 pF/m)	53 Ohm	72%	12.6 Amps per Conductor at 30°C

Voltage

UL Voltage Rating
300 V

Mechanical Characteristics

Temperature

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

Stationary Min.	Installation Min.
3.36 in (85.3 mm)	3.36 in

Max. Pull Tension:	83 lbs (38 kg)
Bulk Cable Weight:	60 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Indoor/Outdoor, Indoor, Outdoor, 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: 0.402 Revision Date: 12-22-2023
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Part Numbers

Variants

Item #	Color	Putup Type	Length	UPC	Footnote
7202A X4P500	Green X4P	Reel	500 ft	612825182726	C
7202A X4P1000	Green X4P	Reel	1,000 ft	612825182719	C

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