



REPRESENTATIVE IMAGE

**Product:** [7203A](#)

MachFlex™, 4 Pr #24 Str BC, PE Ins, OS+TC Brd, PVC Jkt, CM

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### Product Description

MachFlex™ for High Flex, 4 Pair 24AWG (41x40) Bare Copper, PE Insulation, Overall Beldfoil®+Tinned Copper Braid(85%) Shield, PVC Outer Jacket, CM

### Technical Specifications

#### Product Overview

Suitable Applications:	Flex Data, RS-232, RS-485
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#### Construction Details

##### Conductor

Element	Number of Element	Size	Stranding	Material
Pair(s)	4	24 AWG	41x40	BC - Bare Copper

##### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Pair(s)	PE - Polyethylene (Foam)	0.012 in (0.30 mm)	0.0555 in (1.41 mm)	White/BLue & Blue/White, White/Orange & Orange/White, White/Green & Green/White, White/Brown & Brown/White

##### Outer Shield

Shield Type	Material	Coverage	Drainwire Type
Tape	Bi-Laminate (Alum+Poly)	100%	24 AWG (41x40) TC
Braid	Tinned Copper (TC)	90%	

##### Outer Jacket

Material	Nom. Thickness	Nom. Diameter
PVC - Polyvinyl Chloride	0.045 in (1.1 mm)	0.362 in (9.19 mm)

Overall Cable Diameter (Nominal): 0.362 in (9.19 mm)

#### Electrical Characteristics

##### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Velocity of Prop.	Max. Current
Pair(s)	24 Ohm/1000ft	15 pF/ft (49 pF/m)	72%	3.8 Amps per conductor @ 25°C

##### Voltage

UL Voltage Rating
300 V (CM)

#### Mechanical Characteristics

##### Temperature

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

##### Bend Radius

Stationary Min.	Installation Min.	Flexing Min.

3.6 in (91 mm) 3.6 in (91 mm) 4.6 in (120 mm)

Max. Pull Tension:	99 lbs (45 kg)
Bulk Cable Weight:	72 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor, Oil Resistance
Flammability / Reaction to Fire:	UL 1685 FT4 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)

## 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: 0.523 Revision Date: 01-20-2023
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## Part Numbers

### Variants

Item #	Color	Putup Type	Length	UPC
7203A X4P500	Green X4P	Reel	500 ft	612825182740
7203A X4P1000	Green X4P	Reel	1,000 ft	612825182733

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