



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	AWG	Stranding	Material
Pair(s)	4	24	41x40	BC - Bare Copper

#### Insulation

Element	Material	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, White & Orange, White & Green, White & Brown

#### Outer Shield Material

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

#### Outer Jacket Material

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

Cable Diameter (Nominal):	0.362 in (9.19 mm)
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### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Velocity of Prop.
Pair(s)	24 Ohm/1000ft (79 Ohm/km)	15 pF/ft (49 pF/m)	72%

#### Voltage

UL Voltage Rating
300 V (CM)

### Mechanical Characteristics

#### Temperature

UL Rating	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)
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Bulk Cable Weight:	59 lbs/1000ft (88 kg/km)
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## Standards and Compliance

Environmental Suitability:	Indoor (Not Riser or Plenum), Indoor, Oil Resistance
Flammability / Fire Resistance:	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)

## 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: 0.363 Revision Date: 06-08-2021
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