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Part Number: 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

Physical Characteristics (Overall)

Conductor

AWG	Stranding	Material	No. of Pairs
24	41x40	BC - Bare Copper	2

Conductor Count:	4
Total Number of Pairs:	2

Insulation

Material	Nominal Diameter
FPE - Foamed Polyethylene	0.0555 in

Color Chart

Number	Color
1	White/Blue
2	White/Orange

Outer Shield Material

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	1	Aluminum/Polyester	Beldfoil®	100 %	TC - Tinned Copper	24	41x40 mm
Braid	2	TC - Tinned Copper		85 %			

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.322 in	0.045 in

Electrical Characteristics

Capacitance

Max. Capacitance Conductor to Conductor	Nom. Capacitance Conductor to Conductor
15 pF/ft	15 pF/ft

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:	43.5 lbs/1000ft
Max Recommended Pulling Tension:	68 lbs
Min Bend Radius (Continuous Flexing):	4.5 in
Min Bend Radius/Minor Axis:	3.2 in

Standards

NEC Articles:	800
NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	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 II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU RoHS Compliance Date (yyyy-mm-dd):	2005-10-01
CA Prop 65 (CJ for Wire & Cable):	Yes
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Oil Resistance:	Yes

Flammability, LS0H, Toxicity Testing

UL Flammability:	UL1685 UL Loading
UL voltage rating:	300 V RMS

Plenum/Non-Plenum

Plenum (Y/N):	No

Part Number

Variants

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

Footnote:	C - CRATE REEL PUT-UP.

Product Notes

Notes:	1 million flex cycles based on proper installation techniques in a C-track cable guide.

History

Update and Revision:	Revision Number: 0.293 Revision Date: 08-22-2019

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