



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
------------------------	-------------------------

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
PE - Polyethylene (Foam)	0.0555 in

Color Chart

Number	Color
1	White/Blue
2	White/Orange

Outer Shield

Type	Layer	Material	Material Trade Name	Coverage [%]	Drainwire Material	Drainwire AWG	Drainwire Construction n x D
Tape	1	Bi-Laminate (Alum+Poly)	Beldfoil®	100%	TC - Tinned Copper	24	41x40
Braid	2	Tinned Copper (TC)		85%			

Outer Jacket

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
Min Insulation Resistance: 6.1 Megaohms/1000ft	

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. Pull Tension:	68 lbs
Min. Bend Radius (Continuous Flexing):	4.5 in
Min. Bend Radius/Minor Axis:	3.2 in

Standards

NEC Articles:	Article 800
NEC/(UL) Compliance:	CM
CEC/C(UL) Compliance:	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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
MII Order #39 (China RoHS):	Yes

Suitability

Suitability - Oil Resistance:	Yes
-------------------------------	-----

Flammability, LSOH, 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	Put-Up Type	Length	UPC
7201A X4P500	Green X4P	Reel	500 ft	612825182702
7201A X4P1000	Green X4P	Reel	1,000 ft	612825182696

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: 0.381 Revision Date: 08-27-2021
----------------------	--

© 2021 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.