



Product: [7202A](#)

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

[Request Sample](#)

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

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

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

60°C	-20°C to +60°C
------	----------------

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.
--------	---

History

Update and Revision:	Revision Number: 0.402 Revision Date: 12-22-2023
----------------------	--

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

© 2024 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.