



Product: [76701TS](#)

MachFlex™, 2 C #22 Str TC, SRPVC Ins, OS+TC Brd, PVC Jkt, CMG

[Request Sample](#)

Product Description

MachFlex™ for High Flex, 2 Conductor 22AWG (19x34) Tinned Copper, SRPVC Insulation, Overall Beldfoil®+Tinned Copper Braid(85%) Shield, PVC Outer Jacket, CMG

Technical Specifications

Physical Characteristics (Overall)

Conductor				
Element	AWG	Stranding	Material	No. of Pairs
Conductor(s)	22	19x34	TC - Tinned Copper	1
Conductor Count:				2
Total Number of Pairs:				1

Insulation			
Element	Material	Nominal Diameter	Nominal Wall Thickness
Conductor(s)	PVC - Polyvinyl Chloride	0.052 in	0.010 in

Outer Shield				
Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Bi-Laminate (Alum+Poly)	100%	TC - Tinned Copper	26
Braid	Tinned Copper (TC)	85%		

Outer Jacket			
Material	Nominal Diameter	Nominal Wall Thickness	
PVC - Polyvinyl Chloride	0.220 in	0.040 in	

Electrical Characteristics

Conductor DCR	
Nominal Conductor DCR	Nominal Outer Shield DCR
15.1 Ohm/1000ft	4.9 Ohm/1000ft

Capacitance	
Nom. Capacitance Conductor to Conductor	
43 pF/ft	

Inductance	
Nominal Inductance	
.17 µH/ft	

Impedance	
Nominal Characteristic Impedance	
45 Ohm	

Voltage	
UL Voltage Rating	

300 V

Temperature Range

UL Temperature Rating:	105°C
Operating Temperature Range:	-10°C To 105°C (Static), 5°C To 105°C (Flexing)

Mechanical Characteristics

Flex Cycle Rating:	6 Million Cycles
Bulk Cable Weight:	32 lbs/1000ft
Maximum Recommended Pulling Tension:	17.3 lbs
Minimum Continuous Flexing Bend Radius:	3.3 in
Minimum Minor Axis Bend Radius:	2.2 in

Standards

NEC/(UL) Compliance:	CM
CEC/C(UL) Compliance:	CMG
UL AWM Style Compliance:	AWM 2661, AWM 10002
CSA AWM Compliance:	AWM I/II A/B

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	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)
EU CE Mark:	Yes

Suitability

Suitability - Sunlight Resistance:	Yes
------------------------------------	-----

Flammability, LSOH, Toxicity Testing

CSA Flammability:	FT4
UL voltage rating:	300 V RMS

Related Part Numbers

Variants

Item #	Color	Put-Up Type	UPC
76701TS 008100	Gray	Reel	612825411741
76701TS 0081000	Gray	Reel	612825411758
76701TS 008500	Gray	Reel	612825411765

History

Update and Revision:	Revision Number: 0.134 Revision Date: 05-31-2024
----------------------	--

© 2026 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.