

## 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
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## 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
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## Flammability, LS0H, 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
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