



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 Temp 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
Max. Pull Tension:	17.3 lbs
Min. Bend Radius (Continuous Flexing):	3.3 in
Min. Bend Radius/Minor Axis:	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, 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
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