



**Product:** [76514TS](#)

MachFlex™, 14 Pr #26 Str TC, SRPVC Ins, OS+TC Brd, PVC Jkt, CMG

[Request Sample](#)

## Product Description

MachFlex™ for High Flex, 14 Pair 26AWG (7x34) Tinned Copper, SRPVC Insulation, Overall Beldfoil®+Tinned Copper Braid(85%) Shield, PVC Outer Jacket, CMG

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

AWG	Stranding	Material	No. of Pairs
26	7x34	TC - Tinned Copper	14

Conductor Count:	28
Total Number of Pairs:	14

#### Insulation

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.039 in	0.010 in

#### Outer Shield Material

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

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.426 in	0.053 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
42 Ohm/1000ft	2.0 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor
21.4 pF/ft

#### Inductance

Nominal Inductance
.20 µH/ft

#### Impedance

Nominal Characteristic Impedance
89 Ohm

#### Voltage

UL Voltage Rating

300 V

## Temperature Range

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

## Mechanical Characteristics

Flex Cycle Rating:	6 Million Cycles
Bulk Cable Weight:	102 lbs/1000ft
Max. Pull Tension:	72 lbs
Min Bend Radius (Continuous Flexing):	6.4 in
Min Bend Radius/Minor Axis:	4.3 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 II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	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

## Part Number

### Variants

Item #	Color	Putup Type	UPC
76514TS 008100	Gray	Reel	612825411499
76514TS 0081000	Gray	Reel	612825411505
76514TS 008500	Gray	Reel	612825411512

## History

Update and Revision:	Revision Number: 0.59 Revision Date: 02-16-2021
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