



**Product:** [73804WS](#)

MachFlex™, 4 C #18 Str BC, PVC Ins, OA TC Brd, PVC Jkt, PVC Jkt, AWM 2587 CLASS K

[Request Sample](#)

**Product Description**

MachFlex™ for Moderate Flex, 4 Conductor 18AWG (16x30) Bare Copper, PVC Insulation, Overall Tinned Copper Braid(85%) Shield, PVC Inner Jacket, PVC Outer Jacket, AWM 2587 CLASS K

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	18	16x30	BC - Bare Copper	3
Ground	18	16x30	BC - Bare Copper	1

Conductor Count: 4

**Insulation**

Element	Material	Nominal Diameter	Nominal Wall Thickness
Conductor(s)	PVC - Polyvinyl Chloride	0.091 in	0.022 in
Ground	PVC - Polyvinyl Chloride		

**Color Chart**

Color
Black and Numbered

**Inner Jacket**

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	.286 in	.030 in

**Outer Shield**

Type	Material	Coverage [%]
Braid	Tinned Copper (TC)	85%

**Outer Jacket**

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.384 in	0.035 in

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR	Nominal Outer Shield DCR
6.7 Ohm/1000ft	2.26 Ohm/1000ft

**Capacitance**

Nom. Capacitance Conductor to Conductor
44 pF/ft

**Inductance**

Nominal Inductance
.190 µH/ft

## Voltage

<b>UL Voltage Rating</b>
600 V

## Temperature Range

UL Temp Rating:	90°C
Operating Temperature Range:	-40°C To 90°C (Static), -5°C To 90°C (Flexing)

## Mechanical Characteristics

Oil Resistance:	Yes
Flex Cycle Rating:	1 Million Cycles
Bulk Cable Weight:	184 lbs/1000ft
Max. Pull Tension:	59 lbs
Min. Bend Radius (Continuous Flexing):	3.1 in
Min. Bend Radius/Minor Axis:	3.1 in

## Standards

UL AWM Style Compliance:	AWM 2587
CSA AWM Compliance:	AWM I/II A/B
Other Specification:	VDE 0472, Section 803 Oil Test

## 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

## Flammability, LSOH, Toxicity Testing

CSA Flammability:	FT1
UL voltage rating:	600 V RMS

## Related Part Numbers

### Variants

Item #	Color	Put-Up Type	UPC
73804WS 008100	Gray	Reel	612825410126
73804WS 0081000	Gray	Reel	612825410133

## History

Update and Revision:	Revision Number: 0.132 Revision Date: 04-08-2022
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