



Part Number: 73802W

MachFlex™ Moderate 600V Control, (2) 18 AWG (16x30) BC, PVC/PVC, AWM, CE

[Request Sample](#)

Product Description

Two 18 AWG stranded (16x30) bare copper conductors, lubricated PVC insulation, oil-resistant PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor	18	16x30	BC - Bare Copper	2

Conductor Count:	2
Total Number of Pairs:	N/A
Conductor Size:	18 AWG

Insulation

Element	Material	Nominal Diameter	Nominal Wall Thickness
Conductor	PVC - Polyvinyl Chloride	0.091 in	0.022 in

Color Chart

Color
Black and Numbered

Outer Shield Material

Type	Material
Unshielded	Unshielded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.258 in	0.035 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
6.7 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
31 pF/ft

Shielding:	Unshielded
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Inductance

Nominal Inductance
.190 μ H/ft

Impedance

Nominal Characteristic Impedance
74 Ohm

Voltage

UL Voltage Rating
600 V

Temperature Range

UL Temp Rating:	90°C
Operating Temp 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:	66 lbs/1000ft
Max Recommended Pulling Tension:	25 lbs
Min Bend Radius (Continuous Flexing):	1.3 in
Min Bend Radius/Minor Axis:	1.3 in

Standards

UL AWM Style:	AWM 2587
CSA AWM Specification:	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 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
CA Prop 65 (CJ for Wire & Cable):	Yes

Flammability, LS0H, Toxicity Testing

CSA Flammability:	FT1
UL voltage rating:	600 V RMS

Part Number

Variants

Item #	Color
73802W 008100	Gray
73802W 0081000	Gray
73802W 008500	Gray

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