

**Part Number: 73404WS**



MachFlex™ Moderate 600V Control, (4) 14 AWG (41x30) BC, PVC/PVC/PVC, TC Braid Shld, AWM, CE

[Request Sample](#)

## Product Description

Three 14 AWG stranded (41x30) bare copper conductors plus ground wire, lubricated PVC insulation, PVC inner jacket, tinned copper braid shield (85% coverage), oil-resistant PVC outer jacket.

## Technical Specifications

### Physical Characteristics (Overall)

#### Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor	14	41x30	BC - Bare Copper	3
Ground	14	41x30	BC - Bare Copper	1

Conductor Count:	4
Total Number of Pairs:	N/A
Conductor Size:	14 AWG

#### Insulation

Element	Material	Nominal Diameter	Nominal Wall Thickness
Conductor	PVC - Polyvinyl Chloride	0.118 in	0.022 in
Ground	PVC - Polyvinyl Chloride		

#### Color Chart

Color
Black and Numbered

#### Inner Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	.364 in	.035 in

#### Outer Shield Material

Type	Material	Coverage [%]
Braid	TC - Tinned Copper	85 %

#### Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.486 in	0.047 in

### Electrical Characteristics

#### Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
2.6 Ohm/1000ft	2.8 Ohm/1000ft

#### Capacitance

Nom. Capacitance Conductor to Conductor
57 pF/ft

Shielding:	Braid(s)
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#### Inductance

Nominal Inductance
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.170 µH/ft

## 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:	322 lbs/1000ft
Max Recommended Pulling Tension:	138 lbs
Min Bend Radius (Continuous Flexing):	3.9 in
Min Bend Radius/Minor Axis:	3.9 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
73404WS 008100	Gray
73404WS 0081000	Gray
73404WS 008500	Gray

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