



**Part Number:** 73205W

MachFlex™, 5 C #12 Str BC, PVC Ins, PVC Jkt, AWM 2587 CLASS K

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**Product Description**

MachFlex™ for Moderate Flex, 5 Conductor 12AWG (65x30) Bare Copper, PVC Insulation, PVC Outer Jacket, AWM 2587 CLASS K

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

Element	AWG	Stranding	Material	No. of Conductors
Conductor	12	65x30	BC - Bare Copper	4
Ground	12	65x30	BC - Bare Copper	1

Conductor Count:	5
Total Number of Pairs:	N/A
Conductor Size:	12 AWG

**Insulation**

Element	Material	Nominal Diameter	Nominal Wall Thickness
Conductor	PVC - Polyvinyl Chloride	0.137 in	0.022 in
Ground	PVC - Polyvinyl Chloride		

**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	0.553 in	0.086 in

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR
1.65 Ohm/1000ft

**Capacitance**

Nom. Capacitance Conductor to Conductor
39 pF/ft

**Inductance**

Nominal Inductance
.160 µH/ft

**Voltage**

<b>UL Voltage Rating</b>
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:	307 lbs/1000ft
Max Recommended Pulling Tension:	255 lbs
Min Bend Radius (Continuous Flexing):	2.8 in
Min Bend Radius/Minor Axis:	2.8 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	UPC
73205W 008100	Gray	612825409359
73205W 0081000	Gray	612825409366
73205W 008500	Gray	612825409373

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