



**Product:** [73012W](#)

MachFlex™, 12 C #20 Str BC, PVC Ins, PVC Jkt, AWM 2587 CLASS K

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**Product Description**

MachFlex™ for Moderate Flex, 12 Conductor 20AWG (10x30) Bare Copper, PVC Insulation, PVC Outer Jacket, AWM 2587 CLASS K

**Technical Specifications**

**Physical Characteristics (Overall)**

**Conductor**

AWG	Stranding	Material	No. of Conductors
20	10x30	BC - Bare Copper	11
20		BC - Bare Copper	1

Conductor Count: 12

**Insulation**

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.081 in	0.022 in
PVC - Polyvinyl Chloride		

**Color Chart**

Color
Black and Numbered

**Outer Shield Material**

Type	Material
No Shield	No Shield

**Outer Jacket Material**

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.433 in	0.045 in

**Electrical Characteristics**

**Conductor DCR**

Nominal Conductor DCR
10.7 Ohm/1000ft

**Capacitance**

Nom. Capacitance Conductor to Conductor
28 pF/ft

**Inductance**

Nominal Inductance
.210 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:	200 lbs/1000ft
Max. Pull Tension:	94 lbs
Min Bend Radius (Continuous Flexing):	2.2 in
Min Bend Radius/Minor Axis:	2.2 in

## Standards

UL AWM Style Compliance:	AWM 2587
CSA AWM Compliance:	AWM I/II A/B
Other Compliance:	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

## Flammability, LSOH, Toxicity Testing

CSA Flammability:	FT1
UL voltage rating:	600 V RMS

## Part Number

### Variants

Item #	Color	Putup Type	UPC
73012W 008100	Gray	Reel	612825409175
73012W 0081000	Gray	Reel	612825409182
73012W 008500	Gray	Reel	612825409199

## History

Update and Revision:	Revision Number: 0.56 Revision Date: 04-28-2020
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