



**Product:** [73203WS](#)

MachFlex™, 3 C #12 Str BC, PVC Ins, OA TC Brd, PVC Jkt, PVC Jkt, AWM 2587 CLASS K

[Request Sample](#)

## Product Description

MachFlex™ for Moderate Flex, 3 Conductor 12AWG (65x30) Bare Copper, PVC Insulation, Overall Tinned Copper Braid(85%) Shield, PVC Inner Jacket, PVC Outer Jacket, AWM 2587 CLASS K

## Technical Specifications

### Construction Details

#### Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	2	12	65x30	BC - Bare Copper
Ground	1	12	65x30	BC - Bare Copper

#### Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.022 in (0.56 mm)	0.137 in (3.48 mm)	Black and Numbered
Ground	PVC - Polyvinyl Chloride	0.022 in (0.56 mm)	0.137 in (3.48 mm)	Yellow/Green

#### Outer Shield

Shield Type	Material	Coverage
Braid	Tinned Copper (TC)	85%

#### Inner Jacket

Separator	Material	Nom. Thickness	Nom. Diameter
Paper Tape	PVC - Polyvinyl Chloride	.040 in (1.0 mm)	.382 in (9.70 mm)

#### Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter
Paper Tape	PVC - Polyvinyl Chloride	0.060 in (1.5 mm)	0.530 in

Overall Cable Diameter (Nominal): 0.530 in (13.5 mm)

### Electrical Characteristics

#### Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Conductor(s)	1.65 Ohm/1000ft	64 pF/ft (210 pF/m)	30 Amps per Conductor at 30°C
Ground Wire	1.65 Ohm/1000ft (5.41 Ohm/km)		

#### Voltage

UL Voltage Rating
600 V

### Mechanical Characteristics

#### Temperature

UL Temperature	Operating
90°C	-40°C To 90°C (Static), -5°C To 90°C (Flexing)

## Bend Radius

<b>Flexing Min.</b>
4.2 in (110 mm)

Max. Pull Tension:	163 lbs (73.9 kg)
Bulk Cable Weight:	191 lbs/1000ft

## Standards and Compliance

Environmental Suitability:	Oil Resistance
Flammability / Reaction to Fire:	FT1
AWM Compliance:	AWM 2587, AWM I/II A/B
European Directive Compliance:	EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), REACH, EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE)
APAC Compliance:	China RoHS II (GB/T 26572-2011)
Other Standard Compliance(s):	VDE 0472, Section 803 Oil Test

## History

Update and Revision:	Revision Number: 0.137 Revision Date: 04-08-2022
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## Part Numbers

### Variants

Item #	Color	Putup Type	UPC
73203WS 008100	Gray	Reel	612825409267
73203WS 0081000	Gray	Reel	612825409274
73203WS 008500	Gray	Reel	612825409281

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