




Product: [73603W](#) 

MachFlex™, 3 C #16 Str BC, PVC Ins, PVC Jkt, AWM 2587 CLASS K

 [Request Sample](#)

Product Description

MachFlex™ for Moderate Flex, 3 Conductor 16AWG (26x30) Bare Copper, PVC Insulation, PVC Outer Jacket, AWM 2587 CLASS K

Technical Specifications

Construction Details

Conductor

Element	Number of Element	Size	Stranding	Material
Conductor(s)	2	16	26x30	BC - Bare Copper
Ground	1	16	26x30	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.022 in (0.56 mm)	0.104 in (2.64 mm)	Black and Numbered
Ground	PVC - Polyvinyl Chloride	0.022 in (0.56 mm)	0.104 in (2.64 mm)	Yellow/Green

Outer Shield

Shield Type	Material
No Shield	No Shield

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter
Paper Tape	PVC - Polyvinyl Chloride	0.035 in (0.89 mm)	0.300 in

Overall Cable Diameter (Nominal): 0.300 in (7.62 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Conductor(s)	4.1 Ohm/1000ft	34 pF/ft (110 pF/m)	18 Amps per Conductor at 30°C
Ground Wire	4.18 Ohm/1000ft (13.7 Ohm/km)		

Voltage

UL Voltage Rating	Voltage Rating
600 V (AWM 2587)	600 V (CSA AWM I/II A/B)

Mechanical Characteristics

Temperature

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

Bend Radius

Flexing Min.
1.5 in (38 mm)

Max. Pull Tension: 61 lbs (28 kg)

Bulk Cable Weight:	106 lbs/1000ft
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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), 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: 0.136 Revision Date: 04-08-2022
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Part Numbers

Variants

Item #	Color	Putup Type	UPC
73603W 008100	Gray	Reel	612825409700
73603W 0081000	Gray	Reel	612825409717
73603W 008500	Gray	Reel	612825409724

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