



Product: [73605WS](#)

MachFlex™, 5 C #16 Str BC, PVC Ins, OA TC Brd, PVC Jkt, PVC Jkt, AWM 2587 CLASS K

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Product Description

MachFlex™ for Moderate Flex, 5 Conductor 16AWG (26x30) 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)	4	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	Coverage
Braid	Tinned Copper (TC)	85%

Inner Jacket

Separator	Material	Nom. Thickness	Nom. Diameter
Paper Tape	PVC - Polyvinyl Chloride	.030 in (0.76 mm)	.351 in (8.92 mm)

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter
Paper Tape	PVC - Polyvinyl Chloride	0.035 in (0.89 mm)	0.449 in

Overall Cable Diameter (Nominal): 0.449 in (11.4 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Conductor(s)	4.1 Ohm/1000ft	51 pF/ft (170 pF/m)	14.4 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.

3.6 in (91 mm)

Max. Pull Tension:	111 lbs (50.3 kg)
Bulk Cable Weight:	271 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), 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
73605WS 008100	Gray	Reel	612825409854
73605WS 0081000	Gray	Reel	612825409861
73605WS 008500	Gray	Reel	612825409878

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