

Product: 73002W

MachFlex™, 2 C #20 Str BC, PVC Ins, PVC Jkt, AWM 2587 CLASS K

Request Sample

Product Description

MachFlex™ for Moderate Flex, 2 Conductor 20AWG (10x30) Bare Copper, PVC Insulation, PVC Outer Jacket, AWM 2587 CLASS K

Technical Specifications

Product Overview

Suitable Applications:	Robotics, Robot, Continuous Flex

Construction Details

Conductor

Element	No. of Elements	Size	Stranding	Material
Conductor(s)	2	20 AWG	10x30	BC - Bare Copper

Insulation

Element	Material	Nom. Thickness	Nom. Insulation Diameter	Color Code
Conductor(s)	PVC - Polyvinyl Chloride	0.022 in (0.56 mm)	0.081 in mm	Black and Numbered

Outer Shield

Material
No Shield

Outer Jacket

Separator	Material	Nom. Thickness	Nom. Diameter
Paper Tape	PVC - Polyvinyl Chloride	0.035 in (0.89 mm)	0.238 in

Overall Cable Diameter (Nominal):	0.238 in

Electrical Characteristics

Electricals

Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Nom. Characteristic Impedence
10.7 Ohm/1000ft	28 pF/ft (92 pF/m)	84 Ohm

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

Stationary Min.	Installation Min.	Flexing Min.
2.38 in (60.5 mm)	2.38 in	1.2 in (30 mm)

Max. Pull Tension:	15.7 lbs (7.12 kg)

Bulk Cable Weight:	50 lbs/1000ft

Standards and Compliance

Environmental Suitability:	Oil Resistance
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)

History

Update and Revision:	Revision Number: 0.140 Revision Date: 05-31-2024

Part Numbers

Variants

Item #	Color	Putup Type	UPC
73002W 008100	Gray	Reel	612825408956
73002W 0081000	Gray	Reel	612825408963
73002W 008500	Gray	Reel	612825408970

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