

Product: 73007W

MachFlex™, 7 C #20 Str BC, PVC Ins, PVC Jkt, AWM 2587 CLASS K

Request Sample

Product Description

MachFlex™ for Moderate Flex, 7 Conductor 20AWG (10x30) 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)	6	20	10x30	BC - Bare Copper
Ground	1	20	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 (2.1 mm)	Black and Numbered
Ground	PVC - Polyvinyl Chloride	0.022 in (0.56 mm)	0.081 in (2.1 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	0.038 in (0.97 mm)	0.327 in

Overall Cable Diameter (Nominal):	0.327 in (8.31 mm)

Electrical Characteristics

Electricals

Element	Nom. Conductor DCR	Nom. Capacitance Cond-to-Cond	Max. Current
Conductor(s)	10.7 Ohm/1000ft	28 pF/ft (92 pF/m)	5 Amps per Conductor at 30ºC
Ground Wire	10.6 Ohm/1000ft (34.8 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

Flexing Min.
1.6 in (41 mm)

Max. Pull Tension:	55 lbs (25 kg)

Bulk Cable Weight:	116 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: 0.134 Revision Date: 12-20-2021

Part Numbers

Variants

Item #	Color	Putup Type	UPC
73007W 008100	Gray	Reel	612825409106
73007W 0081000	Gray	Reel	612825409113
73007W 008500	Gray	Reel	612825409120

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