



Part Number: 73204W

MachFlex™, 4 C #12 Str BC, PVC Ins, PVC Jkt, AWM 2587 CLASS K

[Request Sample](#)

Product Description

MachFlex™ for Moderate Flex, 4 Conductor 12AWG (65x30) Bare Copper, PVC Insulation, PVC Outer Jacket, AWM 2587 CLASS K

Technical Specifications

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor	12	65x30	BC - Bare Copper	3
Ground	12	65x30	BC - Bare Copper	1

Conductor Count:	4
Total Number of Pairs:	N/A
Conductor Size:	12 AWG

Insulation

Element	Material	Nominal Diameter	Nominal Wall Thickness
Conductor	PVC - Polyvinyl Chloride	0.137 in	0.022 in
Ground	PVC - Polyvinyl Chloride		

Color Chart

Color
Black and Numbered

Outer Shield Material

Type	Material
Unshielded	Unshielded

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.500 in	0.080 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR
1.65 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
39 pF/ft

Inductance

Nominal Inductance
.160 μ H/ft

Voltage

UL Voltage Rating
600 V

Temperature Range

UL Temp Rating:	90°C
Operating Temp Range:	-40°C To 90°C (Static), -5°C To 90°C (Flexing)

Mechanical Characteristics

Oil Resistance:	Yes
Flex Cycle Rating:	1 Million Cycles
Bulk Cable Weight:	263 lbs/1000ft
Max Recommended Pulling Tension:	204 lbs
Min Bend Radius (Continuous Flexing):	2.5 in
Min Bend Radius/Minor Axis:	2.5 in

Standards

UL AWM Style:	AWM 2587
CSA AWM Specification:	AWM I/II A/B
Other Specification:	VDE 0472, Section 803 Oil Test

Applicable Environmental and Other Programs

EU Directive 2000/53/EC (ELV):	Yes
EU Directive 2003/11/EC (BFR):	Yes
EU Directive 2011/65/EU (ROHS II):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU:	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes
CA Prop 65 (CJ for Wire & Cable):	Yes

Flammability, LS0H, Toxicity Testing

CSA Flammability:	FT1
UL voltage rating:	600 V RMS

Part Number

Variants

Item #	Color	UPC
73204W 008100	Gray	612825409298
73204W 0081000	Gray	612825409304
73204W 008500	Gray	612825409311

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