



Part Number: 77805W

MachFlex[™] Continuous 600V Control, (5) 18 AWG (105x38) BC, PVC/PVC, AWM, CE

Request Sample
Requ

Product Description

Four 18 AWG stranded (105x38) bare copper conductors plus ground wire, lubricated PVC insulation, oil-resistant PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor Stranding Element AWG Material No. of Conductors Conductor 18 105x38 BC - Bare Copper 4 18 BC - Bare Copper 1 Ground 105x30 Conductor Count: Total Number of Pairs: N/A Conductor Size: 18 AWG

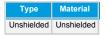
Insulation

Element	Material	Nominal Diameter	Nominal Wall Thickness
Conductor	PVC - Polyvinyl Chloride	0.096 in	0.022 in
Ground	PVC - Polyvinyl Chloride		

Color Chart



Outer Shield Material



Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.355 in	0.035 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR 6.6 Ohm/1000ft

Capacitance



Inductance



Voltage

UL Voltage Rating

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:	14 Million Cycles
Bulk Cable Weight:	200 lbs/1000ft
Max Recommended Pulling Tension:	66 lbs
Min Bend Radius (Continuous Flexing):	2.8 in
Min Bend Radius/Minor Axis:	2.8 in

Standards

UL AWM Style:	AWM 2587, AWM 10012
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
77805W 010100	Black
77805W 0101000	Black

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