



Product: [77404WS](#)

MachFlex™, 4+G C #14 Str BC, PVC Ins, OA TC Brd, PVC Jkt, PVC Jkt, AWM 2587

[Request Sample](#)

Product Description

MachFlex™ for High Flex, 4+G Conductor 14AWG (266(7x38)x38) Bare Copper, PVC Insulation, Overall Tinned Copper Braid(85%) Shield, PVC Inner Jacket, PVC Outer Jacket, AWM 2587

Technical Specifications

Physical Characteristics (Overall)

Conductor				
Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	14	266x38	BC - Bare Copper	3
Ground	14	266x38	BC - Bare Copper	1
Conductor Count:				4

Insulation			
Element	Material	Nominal Diameter	Nominal Wall Thickness
Conductor(s)	PVC - Polyvinyl Chloride	0.124 in	0.022 in
Ground	PVC - Polyvinyl Chloride		

Color Chart	
Color	
Red and Numbered	

Inner Jacket		
Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.394 in	0.035 in

Outer Shield		
Type	Material	Coverage [%]
Braid	Tinned Copper (TC)	85%

Outer Jacket		
Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.528 in	0.050 in

Electrical Characteristics

Conductor DCR	
Nominal Conductor DCR	Nominal Outer Shield DCR
2.5 Ohm/1000ft	2.0 Ohm/1000ft

Capacitance	
Nom. Capacitance Conductor to Conductor	
55 pF/ft	

Inductance	
Nominal Inductance	

.17 µH/ft

Voltage

UL Voltage Rating
600 V

Temperature Range

UL Temp Rating:	90°C
Operating Temperature 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:	370 lbs/1000ft
Max. Pull Tension:	146 lbs
Min. Bend Radius (Continuous Flexing):	4.2 in
Min. Bend Radius/Minor Axis:	4.2 in

Standards

UL AWM Style Compliance:	AWM 2587, AWM 10012
CSA AWM Compliance:	AWM I/II A/B

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 2):	Yes
EU Directive 2012/19/EU (WEEE):	Yes
EU Directive 2015/863/EU (RoHS 2 amendment):	Yes
EU Directive Compliance:	EU Directive 2003/11/EC (BFR)
EU CE Mark:	Yes

Suitability

Suitability - Oil Resistance:	Yes
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Flammability, LS0H, Toxicity Testing

CSA Flammability:	FT1
UL voltage rating:	600 V RMS

Related Part Numbers

Variants

Item #	Color	Put-Up Type	UPC
77404WS 010100	Black	Reel	612825412106
77404WS 0101000	Black	Reel	612825412113
77404WS 010500	Black	Reel	612825412120

History

Update and Revision:	Revision Number: 0.138 Revision Date: 05-31-2024
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