



Product: [76007WS](#)

MachFlex™, 7 C #28 Str TC, SRPVC Ins, OS+TC Srv, PVC Jkt, CMG

Request Sample

Product Description

MachFlex™ for High Flex, 7 Conductor 28AWG (7x36) Tinned Copper, SRPVC Insulation, Overall Beldfoil®+Tinned Copper Serve(90%) Shield, PVC Outer Jacket, CMG

Technical Specifications

Physical Characteristics (Overall)

Conductor			
AWG	Stranding	Material	No. of Conductors
28	7x36	TC - Tinned Copper	7
Conductor Count:			7

Insulation	
Material	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.010 in

Outer Shield Material				
Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Alum / Poly	100%	TC - Tinned Copper	26
Spiral Serve / Screen	Tinned Copper (TC)	90%		

Outer Jacket Material		
Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.223 in	0.040 in

Electrical Characteristics

Conductor DCR	
Nominal Conductor DCR	Nominal Outer Shield DCR
66 Ohm/1000ft	5.4 Ohm/1000ft

Capacitance	
Nom. Capacitance Conductor to Conductor	
25 pF/ft	

Inductance	
Nominal Inductance	
.220 µH/ft	

Voltage	
UL Voltage Rating	
300 V	

Temperature Range

UL Temp Rating:	105°C
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Operating Temp Range:	-10°C To 105°C (Static), 5°C To 105°C (Flexing)
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Mechanical Characteristics

Flex Cycle Rating:	6 Million Cycles
Bulk Cable Weight:	31 lbs/1000ft
Max. Pull Tension:	14.8 lbs
Min Bend Radius (Continuous Flexing):	1.8 in
Min Bend Radius/Minor Axis:	1.8 in

Standards

NEC/(UL) Compliance:	CM
CEC/C(UL) Compliance:	CMG
UL AWM Style Compliance:	AWM 2661, AWM 10002
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 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

Suitability

Suitability - Sunlight Resistance:	Yes
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Flammability, LSOH, Toxicity Testing

CSA Flammability:	FT4
UL voltage rating:	300 V RMS

Part Number

Variants

Item #	Color	Putup Type	UPC
76007WS 008100	Gray	Reel	612825410430
76007WS 0081000	Gray	Reel	612825410447
76007WS 008500	Gray	Reel	612825410454

History

Update and Revision:	Revision Number: 0.58 Revision Date: 04-28-2020
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