Product: 76118WS

MachFlex™, 18 C #26 Str TC, SRPVC Ins, OS+TC Srv, PVC Jkt, CMG

Request Sample

Product Description

MachFlex™ for High Flex, 18 Conductor 26AWG (7x34) Tinned Copper, SRPVC Insulation, Overall Beldfoil®+Tinned Copper Serve(90%) Shield, PVC Outer Jacket, CMG

Technical Specifications

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor(s)	26	7x34	TC - Tinned Copper	18

Conductor Count:	18

Insulation

Element	Material	Nominal Wall Thickness
Conductor(s)	PVC - Polyvinyl Chloride	0.010 in

Outer Shield

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

Outer Jacket

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.302 in	0.040 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
42 Ohm/1000ft	3.8 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
28 pF/ft

Inductance

Nominal Inductance
.20 µH/ft

Voltage

UL Voltage Rating
300 V

Temperature Range

UL Temp Rating:	105°C

Operating Temperature Range:	-10°C To 105°C (Static), 5°C To 105°C (Flexing)

Mechanical Characteristics

Flex Cycle Rating:	6 Million Cycles
Bulk Cable Weight:	63 lbs/1000ft
Max. Pull Tension:	46 lbs
Min. Bend Radius (Continuous Flexing):	2.4 in
Min. Bend Radius/Minor Axis:	2.4 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 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 - Sunlight Resistance:	Yes

Flammability, LS0H, Toxicity Testing

CSA Flammability:	FT4
UL voltage rating:	300 V RMS

Related Part Numbers

Variants

Item #	Color	Put-Up Type	UPC
76118WS 008100	Gray	Reel	612825410683
76118WS 0081000	Gray	Reel	612825410690
76118WS 008500	Gray	Reel	612825410706

History

Update and Revision:	Revision Number: 0.139 Revision Date: 05-31-2024