



Part Number: 76004WS

MachFlex™ Continuous 300V Data, (4) 28 AWG (7x36) TC, PVC/PVC, Foil+TC Spiral Shld, AWM, CE, CM

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Product Description

Four 28 AWG stranded (7x36) tinned copper conductors, lubricated semi-rigid PVC insulation, overall foil plus tinned copper spiral shield (90% coverage), oil-resistant PVC jacket.

Technical Specifications

Physical Characteristics (Overall)

Conductor

Element	AWG	Stranding	Material	No. of Conductors
Conductor	28	7x36	TC - Tinned Copper	4

Conductor Count:	4
Total Number of Pairs:	N/A
Conductor Size:	28 AWG

Insulation

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

Outer Shield Material

Type	Material	Coverage [%]	Drainwire Material	Drainwire AWG
Tape	Aluminum/Mylar	100 %	TC - Tinned Copper	26
Serve	TC - Tinned Copper	90 %		

Outer Jacket Material

Material	Nominal Diameter	Nominal Wall Thickness
PVC - Polyvinyl Chloride	0.190 in	0.040 in

Electrical Characteristics

Conductor DCR

Nominal Conductor DCR	Nominal Outer Shield DCR
66 Ohm/1000ft	6.6 Ohm/1000ft

Capacitance

Nom. Capacitance Conductor to Conductor
25 pF/ft

Shielding:	Multiple or Specialty
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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:	22 lbs/1000ft
Max Recommended Pulling Tension:	10 lbs
Min Bend Radius (Continuous Flexing):	1.5 in
Min Bend Radius/Minor Axis:	1.5 in

Standards

NEC/(UL) Specification:	CM
CEC/C(UL) Specification:	CMG
UL AWM Style:	AWM 2661, AWM 10002
CSA AWM Specification:	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
CA Prop 65 (CJ for Wire & Cable):	Yes

Suitability

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

CSA Flammability:	FT4
UL voltage rating:	300 V RMS

Part Number

Variants

Item #	Color
76004WS 008100	Gray
76004WS 0081000	Gray
76004WS 008500	Gray

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