



Product: [76004WS](#)

MachFlex™, 4 C #28 Str TC, SRPVC Ins, OS+TC Srv, PVC Jkt, CMG

[Request Sample](#)

Product Description

MachFlex™ for High Flex, 4 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 | 4 |

Conductor Count: 4

Insulation

| Material | Nominal Wall Thickness |
|--------------------------|------------------------|
| PVC - Polyvinyl Chloride | 0.010 in |

Outer Shield Material

| 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

| 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 |

Inductance

| Nominal Inductance |
|--------------------|
| .220 µH/ft |

Voltage

| UL Voltage Rating |
|-------------------|
| 300 V |

Temperature Range

| | |
|-----------------|-------|
| UL Temp Rating: | 105°C |
|-----------------|-------|

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

Mechanical Characteristics

| | |
|---------------------------------------|------------------|
| Flex Cycle Rating: | 6 Million Cycles |
| Bulk Cable Weight: | 22 lbs/1000ft |
| Max. Pull Tension: | 10 lbs |
| Min Bend Radius (Continuous Flexing): | 1.5 in |
| Min Bend Radius/Minor Axis: | 1.5 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 |
|------------------------------------|-----|

Flammability, LSOH, Toxicity Testing

| | |
|--------------------|-----------|
| CSA Flammability: | FT4 |
| UL voltage rating: | 300 V RMS |

Part Number

Variants

| Item # | Color | Putup Type | UPC |
|-----------------|-------|------------|--------------|
| 76004WS 008100 | Gray | Reel | 612825410379 |
| 76004WS 0081000 | Gray | Reel | 612825410386 |
| 76004WS 008500 | Gray | Reel | 612825410393 |

History

| | |
|----------------------|---|
| Update and Revision: | Revision Number: 0.63 Revision Date: 09-30-2020 |
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