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# Product: 73403WS

MachFlex™, 3 C #14 Str BC, PVC Ins, OA TC Brd, PVC Jkt, PVC Jkt, AWM 2587 CLASS K

Request Sample

## Product Description

MachFlex™ for Moderate Flex, 3 Conductor 14AWG (41x30) Bare Copper, PVC Insulation, Overall Tinned Copper Braid(85%) Shield, PVC Inner Jacket, PVC Outer Jacket, AWM 2587 CLASS K

## Technical Specifications

### Physical Characteristics (Overall)

**Conductor**

| Element | AWG | Stranding | Material | No. of Conductors |
|---|---|---|---|---|
| Conductor(s) | 14 | 41x30 | BC - Bare Copper | 2 |
| Ground | 14 | 41x30 | BC - Bare Copper | 1 |

| | |
|---|---|
| Conductor Count: | 3 |

**Insulation**

| Element | Material | Nominal Diameter | Nominal Wall Thickness |
|---|---|---|---|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.118 in | 0.022 in |
| Ground | PVC - Polyvinyl Chloride | | |

**Color Chart**

| Color |
|---|
| Black and Numbered |

**Inner Jacket**

| Material | Nominal Diameter | Nominal Wall Thickness |
|---|---|---|
| PVC - Polyvinyl Chloride | .331 in | .035 in |

**Outer Shield**

| Type | Material | Coverage [%] |
|---|---|---|
| Braid | Tinned Copper (TC) | 85% |

**Outer Jacket**

| Material | Nominal Diameter | Nominal Wall Thickness |
|---|---|---|
| PVC - Polyvinyl Chloride | 0.443 in | 0.042 in |

### Electrical Characteristics

**Conductor DCR**

| Nominal Conductor DCR | Nominal Outer Shield DCR |
|---|---|
| 2.6 Ohm/1000ft | 2.6 Ohm/1000ft |

**Capacitance**

| Nom. Capacitance Conductor to Conductor |
|---|
| 57 pF/ft |

**Inductance**

| Nominal Inductance |
|---|

| |
|---|
| .170 µH/ft |

**Voltage**

| UL Voltage Rating |
|---|
| 600 V |

## Temperature Range

| | |
|---|---|
| UL Temp Rating: | 90°C |
| Operating Temp Range: | -40°C To 90°C (Static), -5°C To 90°C (Flexing) |

## Mechanical Characteristics

| | |
|---|---|
| Oil Resistance: | Yes |
| Flex Cycle Rating: | 1 Million Cycles |
| Bulk Cable Weight: | 261 lbs/1000ft |
| Max. Pull Tension: | 106 lbs |
| Min. Bend Radius (Continuous Flexing): | 3.5 in |
| Min. Bend Radius/Minor Axis: | 3.5 in |

## Standards

| | |
|---|---|
| UL AWM Style Compliance: | AWM 2587 |
| CSA AWM Compliance: | AWM I/II A/B |
| Other Specification: | VDE 0472, Section 803 Oil Test |

## 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 |

## Flammability, LS0H, Toxicity Testing

| | |
|---|---|
| CSA Flammability: | FT1 |
| UL voltage rating: | 600 V RMS |

## Related Part Numbers

**Variants**

| Item # | Color | Put-Up Type | UPC |
|---|---|---|---|
| 73403WS 008100 | Gray | Reel | 612825409465 |
| 73403WS 0081000 | Gray | Reel | 612825409472 |
| 73403WS 008500 | Gray | Reel | 612825409489 |

## History

| | |
|---|---|
| Update and Revision: | Revision Number: 0.131 Revision Date: 12-09-2021 |

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