



Product: [76401TS](#)

MachFlex™, 2 C #28 Str TC, SRPVC Ins, OS+TC Brd, PVC Jkt, CMG

[Request Sample](#)

Product Description

MachFlex™ for High Flex, 2 Conductor 28AWG (7x36) Tinned Copper, SRPVC Insulation, Overall Beldfoil®+Tinned Copper Braid(85%) Shield, PVC Outer Jacket, CMG

Technical Specifications

Construction Details

Conductor

| Element | Number of Element | Size | Stranding | Material |
|---------|-------------------|--------|-----------|--------------------|
| Pair(s) | 1 | 28 AWG | 7x36 | TC - Tinned Copper |

Insulation

| Element | Material | Nom. Thickness | Nom. Insulation Diameter | Color Code |
|---------|--------------------------|--------------------|--------------------------|---------------|
| Pair(s) | PVC - Polyvinyl Chloride | 0.010 in (0.25 mm) | 0.035 in (0.89 mm) | Black and Red |

Outer Shield

| Shield Type | Material | Coverage | Drainwire Type |
|-------------|-------------------------|----------|------------------|
| Tape | Bi-Laminate (Alum+Poly) | 100% | 26 AWG (7x34) TC |
| Braid | Tinned Copper (TC) | 85% | |

Outer Jacket

| Separator | Material | Nom. Thickness | Nom. Diameter |
|------------|--------------------------|-------------------|---------------|
| Paper Tape | PVC - Polyvinyl Chloride | 0.040 in (1.0 mm) | 0.186 in |

Overall Cable Diameter (Nominal): 0.186 in

Electrical Characteristics

Electricals

| Element | Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Capacitance Cond-to-Shield | Nom. Characteristic Impedance | Nom. Inductance Cond-Grnd | Max. Current |
|---------|--------------------|-------------------------------|---------------------------------|-------------------------------|---------------------------|--------------------------------|
| Pair(s) | 65 Ohm/1000ft | 27 pF/ft (89 pF/m) | 49 pF/ft (160 pF/m) | 70 Ohm | 0.22 µH/ft | 1.3 Amps per Conductor at 25°C |

Voltage

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

Mechanical Characteristics

Temperature

| UL Temperature | Operating |
|----------------|---|
| 105°C | -10°C To 105°C (Static), 5°C To 105°C (Dynamic) |

Bend Radius

| Stationary Min. | Installation Min. |
|-------------------|-------------------|
| 1.86 in (47.2 mm) | 1.86 in |

Max. Pull Tension: 7.6 lbs

| | |
|--------------------|---------------|
| Bulk Cable Weight: | 22 lbs/1000ft |
|--------------------|---------------|

Standards and Compliance

| | |
|----------------------------------|---|
| Environmental Suitability: | Indoor, Outdoor, Sunlight Resistance |
| Flammability / Reaction to Fire: | UL1685 UL Loading, FT4 |
| NEC / UL Compliance: | Article 800, CM |
| AWM Compliance: | AWM 2661, AWM 10002, AWM I/II A/B |
| CEC / C(UL) Compliance: | CMG |
| European Directive Compliance: | EU CE Mark, EU Directive 2015/863/EU (RoHS 2 amendment), EU Directive 2011/65/EU (RoHS 2), EU Directive 2012/19/EU (WEEE) |
| APAC Compliance: | China RoHS II (GB/T 26572-2011) |

History

| | |
|----------------------|--|
| Update and Revision: | Revision Number: 0.136 Revision Date: 12-20-2021 |
|----------------------|--|

Variants

| Item # | Color | Putup Type | UPC |
|-----------------|-------|------------|--------------|
| 76401TS 008100 | Gray | Reel | 612825411154 |
| 76401TS 0081000 | Gray | Reel | 612825411161 |

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