



**Product:** [76510TS](#)

MachFlex™, 10 Pr #26 Str TC, SRPVC Ins, OS+TC Brd, PVC Jkt, CMG

[Request Sample](#)

## Product Description

MachFlex™ for High Flex, 10 Pair 26AWG (7x34) 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) | 10                | 26 AWG | 7x34      | TC - Tinned Copper |

#### Insulation

| Element | Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code   |
|---------|--------------------------|--------------------|--------------------------|--|
| Pair(s) | PVC - Polyvinyl Chloride | 0.010 in (0.25 mm) | 0.039 in (0.99 mm)       | Black & Red, Black & white, Black & Green, Black & Blue, Black & Brown, Black & Yellow, Black & Orange, Red & Green, Red & White, Red & Blue |

#### 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 | 0.045 in (1.1 mm) | 0.392 in      |

Overall Cable Diameter (Nominal): 0.392 in

### Electrical Characteristics

#### Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Characteristic Impedance |
|--------------------|-------------------------------|-------------------------------|
| 42 Ohm/1000ft      | 21.4 pF/ft (70.2 pF/m)        | 89 Ohm                        |

#### Voltage

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

### Mechanical Characteristics

#### Temperature

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

#### Bend Radius

| Stationary Min.   | Installation Min. | Flexing Min.    |
|-------------------|-------------------|-----------------|
| 3.92 in (99.6 mm) | 5.9 in            | 5.9 in (150 mm) |

Max. Pull Tension: 55 lbs (25 kg)

|                    |               |
|--------------------|---------------|
| Bulk Cable Weight: | 81 lbs/1000ft |
|--------------------|---------------|

## Standards and Compliance

|                                  |   |
|----------------------------------|---|
| Environmental Suitability:       | Sunlight Resistance   |
| Flammability / Reaction to Fire: | UL1685 UL Loading, FT4, 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: 0.130 Revision Date: 04-08-2022 |
|----------------------|--|

## Part Numbers

### Variants

| Item #          | Color | Putup Type | UPC          |
|-----------------|-------|------------|--------------|
| 76510TS 008100  | Gray  | Reel       | 612825411475 |
| 76510TS 0081000 | Gray  | Reel       | 612825411482 |

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