



**Product:** [76706TS](#)

MachFlex™, 6 Pr #22 Str TC, SRPVC Ins, OS+TC Brd, PVC Jkt, CMG

[Request Sample](#)

### Product Description

MachFlex™ for High Flex, 6 Pair 22AWG (19x34) 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) | 6                 | 22 AWG | 19x34     | TC - Tinned Copper |

##### Insulation

| Element | Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code   |
|---------|--------------------------|--------------------|--------------------------|--|
| Pair(s) | PVC - Polyvinyl Chloride | 0.010 in (0.25 mm) | 0.052 in (1.3 mm)        | Black & Red, Black & white, Black & Green, Black & Blue, Black & Brown, Black & Yellow |

##### 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) | 0.377 in      |

Overall Cable Diameter (Nominal): 0.377 in

#### Electrical Characteristics

##### Electricals

| Nom. Conductor DCR | Nom. Capacitance Cond-to-Cond | Nom. Characteristic Impedance |
|--------------------|-------------------------------|-------------------------------|
| 15.6 Ohm/1000ft    | 26 pF/ft (85 pF/m)            | 73 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.    |
|-------------------|-------------------|-----------------|
| 3.77 in (95.8 mm) | 5.7 in            | 5.7 in (140 mm) |

Max. Pull Tension: 80 lbs (36 kg)

|                    |               |
|--------------------|---------------|
| Bulk Cable Weight: | 88 lbs/1000ft |
|--------------------|---------------|

### Standards and Compliance

|                                  |   |
|----------------------------------|---|
| Environmental Suitability:       | Sunlight Resistance   |
| Flammability / Reaction to Fire: | UL 1685 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: 0.134 Revision Date: 05-05-2023 |
|----------------------|--|

### Part Numbers

#### Variants

| Item #          | Color | Putup Type | UPC          |
|-----------------|-------|------------|--------------|
| 76706TS 008100  | Gray  | Reel       | 612825411888 |
| 76706TS 0081000 | Gray  | Reel       | 612825411895 |
| 76706TS 008500  | Gray  | Reel       | 612825411901 |

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