



Product: [7400W](#)

MachFlex™, 2 C #20 Str BC, PVC Ins, TPE Jkt, PLTC

Request Sample

Product Description

MachFlex™ for High Flex, 2 Conductor 20AWG (19x32) Bare Copper, PVC Insulation, TPE Outer Jacket, PLTC

Technical Specifications

Construction Details

Conductor

| Element      | Number of Element | Size   | Stranding | Material         |
|--------------|-------------------|--------|-----------|------------------|
| Conductor(s) | 2                 | 20 AWG | 19x32     | BC - Bare Copper |

Insulation

| Element      | Material                 | Nom. Thickness     | Nom. Insulation Diameter | Color Code         |
|--------------|--------------------------|--------------------|--------------------------|--------------------|
| Conductor(s) | PVC - Polyvinyl Chloride | 0.015 in (0.38 mm) | 0.066 in (1.7 mm)        | Black and Numbered |

Outer Shield

| Material  |
|-----------|
| No Shield |

Outer Jacket

| Separator      | Material                      | Nom. Thickness     | Nom. Diameter |
|----------------|-------------------------------|--------------------|---------------|
| non-Woven Tape | TPE - Thermoplastic Elastomer | 0.037 in (0.94 mm) | 0.211 in      |

|                                   |          |
|-----------------------------------|----------|
| Overall Cable Diameter (Nominal): | 0.211 in |
|-----------------------------------|----------|

Electrical Characteristics

Electricals

| Nom. Conductor DCR | Max. Current                 |
|--------------------|------------------------------|
| 10.7 Ohm/1000ft    | 9 Amps per Conductor at 30°C |

Voltage

| UL Voltage Rating | Voltage Rating |
|-------------------|----------------|
| 300 V             | 600 V          |

Mechanical Characteristics

Temperature

| UL Temperature               | Operating      |
|------------------------------|----------------|
| UL : 90°C, AWM 20327 : 105°C | -40°C To 105°C |

Bend Radius

| Stationary Min.   | Installation Min. |
|-------------------|-------------------|
| 2.11 in (53.6 mm) | 2.11 in           |

|                    |                |
|--------------------|----------------|
| Max. Pull Tension: | 30 lbs (14 kg) |
| Bulk Cable Weight: | 25 lbs/1000ft  |

Standards and Compliance

|                                  |                                                                                                               |
|----------------------------------|---------------------------------------------------------------------------------------------------------------|
| Environmental Suitability:       | Outdoor, Sunlight Resistance, UV Resistance, Oil Resistance                                                   |
| Flammability / Reaction to Fire: | UL1685 UL Loading, IEEE 1202 FT4                                                                              |
| NEC / UL Compliance:             | Article 725, PLTC                                                                                             |
| AWM Compliance:                  | AWM 20327, AWM I/II A/B                                                                                       |
| European Directive Compliance:   | 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: 0.376 Revision Date: 05-05-2023 |
|----------------------|--------------------------------------------------|

Part Numbers

Variants

| Item #        | Color  | Putup Type | Length   | UPC          |
|---------------|--------|------------|----------|--------------|
| 7400W 060250  | Chrome | Reel       | 250 ft   | 612825185253 |
| 7400W 0601000 | Chrome | Reel       | 1,000 ft | 612825185246 |
| 7400W 0605000 | Chrome | Reel       | 5,000 ft | 612825185260 |

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