

**Ratings**

Voltage: 300 V  
Temperature: -40~80 °C  
Flammability: FT2

**Conductor**

Conductor count: 7  
Gauge: 26 AWG 0.15 mm<sup>2</sup>  
Material: bare copper  
Strand size:  $\varnothing 0.1 \times 19$  mm  
Resistance at 20 °C: 140  $\Omega$  /km max

**Insulator**

Material: TPE 85A  
Color: red, black, white, yellow, blue, green, orange  
Diameter:  $\varnothing 1 \pm 0.08$  mm  
Nominal thickness: 0.24mm  
Resistance at 20 °C: 100 M $\Omega$  /km min

**Wrap**

Material: cotton paper

**Outer jacket**

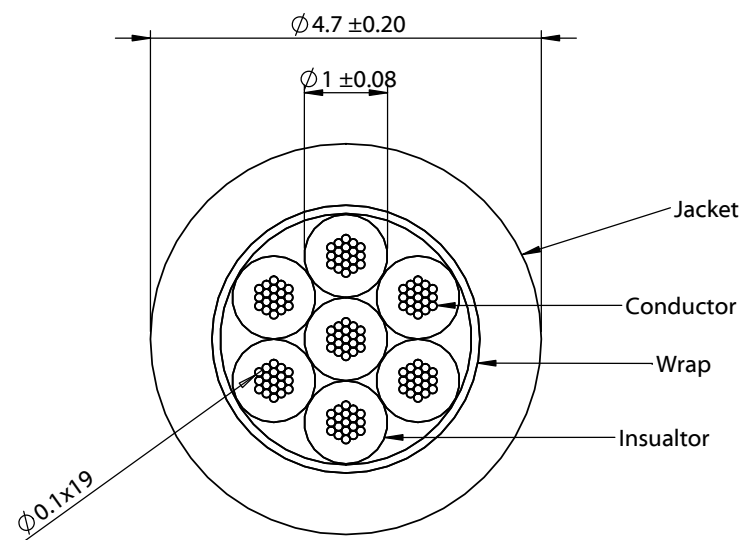
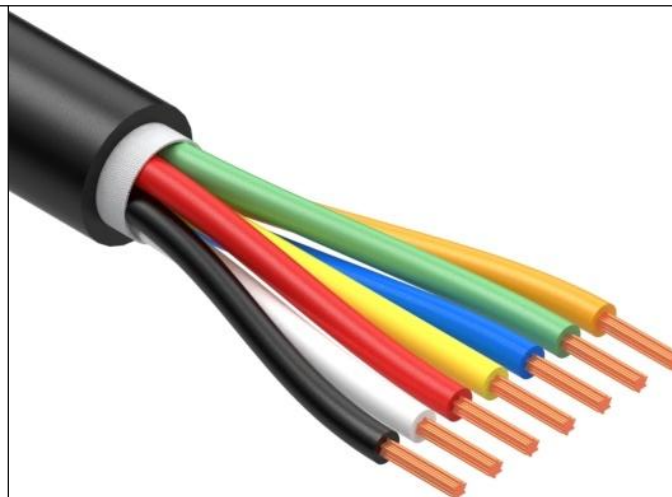
Material: TPU (Polyether Polyurethane) 80A  
Color: black  
Diameter:  $\varnothing 4.7 \pm 0.20$  mm  
Nominal thickness: 0.76mm

**Wire marking**

E339579 UL AWM STYLE 20280 26 AWG 80°C 300V --- cUL  
AWM I/II A 80°C 300V FT2 TENSILITY

**Tests**

Spark test: 3.0 kV  
Insulation tensile strength: 0.562 kgf/mm<sup>2</sup>  
Jacket tensile strength: 1.05 kgf/mm<sup>2</sup>  
After aging at 113  $\pm 2$  °C for 7 days:  
Minimum jacket tensile strength 70 % original  
Minimum insulation tensile strength 75 % original  
Minimum jacket elongation 65 % original  
Minimum insulation elongation 75 % original  
Heat shock: 121  $\pm 1$  °C /1 hour, no observed degradation  
Deformation: 121  $\pm 1$  °C /1 hour,  $\leq 50$  %  
Cold bend: -10  $\pm 2$  °C /1 hour, no observed cracking  
Dielectric test: 2000 Vac for 1 minute without breakdown



|           |            |                 |                                                                                                              |                                                                           |                                                                                                 |              |              |
|-----------|------------|-----------------|--------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------|--------------|
| Revision: | Date:      | Description:    | Prepared:                                                                                                    | Notes:<br>RoHS compliant                                                  | <b>TENSILITY</b><br>tel 1.541.323.3228 800 877.670.7118<br>fax 1.541.323.4202 web tensility.com |              |              |
| A         | 11/14/2022 | Initial release | Verified:                                                                                                    | Phthalate and halogen free                                                |                                                                                                 |              |              |
|           |            |                 | Dimensions are in millimeters.<br>Tolerances:<br>X: $\pm 0.5$ mm<br>X.X: $\pm 0.3$ mm<br>X.XX: $\pm 0.05$ mm | Function test: no open, no short circuit, no intermittent                 | Size:                                                                                           | Part number: |              |
|           |            |                 |                                                                                                              | Description:<br>Wire, 7C BC, 26 AWG, UL20280, 300V, 80C, 4.7 mm, FT2, TPU | A                                                                                               | 30-02379     |              |
|           |            |                 |                                                                                                              |                                                                           | Scale: 11:1                                                                                     |              | Sheet 1 of 1 |