

### Ratings

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

### Conductor

Conductor count: 4  
Gauge: 22 AWG 0.33 mm<sup>2</sup>  
Material: bare copper strands  
Strand size: Ø 0.127 mm x 26  
Max resistance at 20 °C: 59.4 Ω /km

### Insulator

Material: TPE 85A  
Color: white, black, red, green  
Diameter: Ø 1.3 ±0.10 mm  
Nominal thickness: 0.26 mm  
Minimum resistance @ 20 °C: 100 MΩ /km

### Shield

Type: braided  
Material: bare copper strands  
Stranding: 16/6/0.10 mm, 65% minimum coverage

### Drain

Material: bare copper strands  
Stranding: Ø0.127 x 26

### Outer jacket

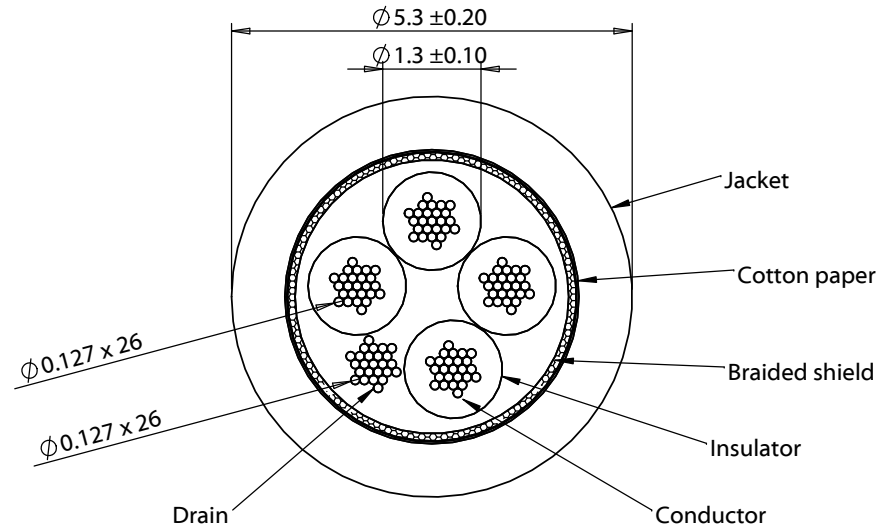
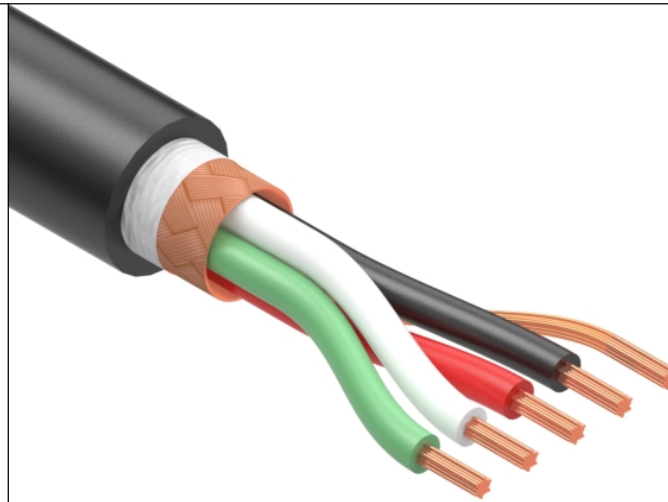
Material: TPU (Polyether Polyurethane) 80A  
Color: black  
Diameter: Ø 5.3 ±0.20 mm  
Nominal thickness: 0.83 mm

**Wire marking:** E339579 UL AWM STYLE 20280 22 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 ±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 ±1 °C /1 hour, no observed degradation  
Deformation: 121 ±1 °C /1 hour, ≤ 50 %  
Cold bend: -10 ±2 °C /1 hour, no observed cracking  
Dielectric test: 2000 Vac for 1 minute without breakdown

**Use:** Internal wiring or external interconnection of electronic equipment.



|           |            |                 |                                                                                                  |                                                                                                                |                                                                                                 |                          |              |
|-----------|------------|-----------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|--------------------------|--------------|
| Revision: | Date:      | Description:    | Prepared:                                                                                        | Notes:                                                                                                         | <b>TENSILITY</b><br>tel 1.541.323.3228 800 877.670.7118<br>fax 1.541.323.4202 web tensility.com |                          |              |
| A         | 10/31/2023 | Initial release | Verified:                                                                                        | RoHS and REACH compliant<br>Phthalate and halogen free<br>Function: no open, no short circuit, no intermittent |                                                                                                 |                          |              |
|           |            |                 | Dimensions are in millimeters.<br>Tolerances:<br>X: ± 0.5 mm<br>X.X: ± 0.3 mm<br>X.XX: ± 0.05 mm | Description:<br>Wire, 4C BC, 22 AWG, UL20280, 300V, 80C, 5.3 mm, braided shield, FT2, TPU                      | Size:<br>A                                                                                      | Part number:<br>30-03400 | Sheet 1 of 1 |
|           |            |                 |                                                                                                  |                                                                                                                | Scale: 10:1                                                                                     |                          |              |

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