

**Ratings**

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

**Conductor**

Conductor count: 6  
 Gauge: 26 AWG 0.15 mm<sup>2</sup>  
 Material: bare copper strands  
 Strand size: Ø 0.1 mm x 19  
 Max resistance at 20 °C: 150 Ω /km

**Insulator**

Material: TPE 85A  
 Color: white, black, red, yellow, blue, green  
 Diameter: Ø 1 ±0.10 mm  
 Nominal thickness: 0.21 mm  
 Minimum resistance @ 20 °C: 100 MΩ /km

**Shield**

Type: braided  
 Material: bare copper strands  
 Stranding: Ø0.10 mm, 65% minimum coverage

**Drain**

Material: bare copper strands  
 Stranding: Ø 0.1 x 19

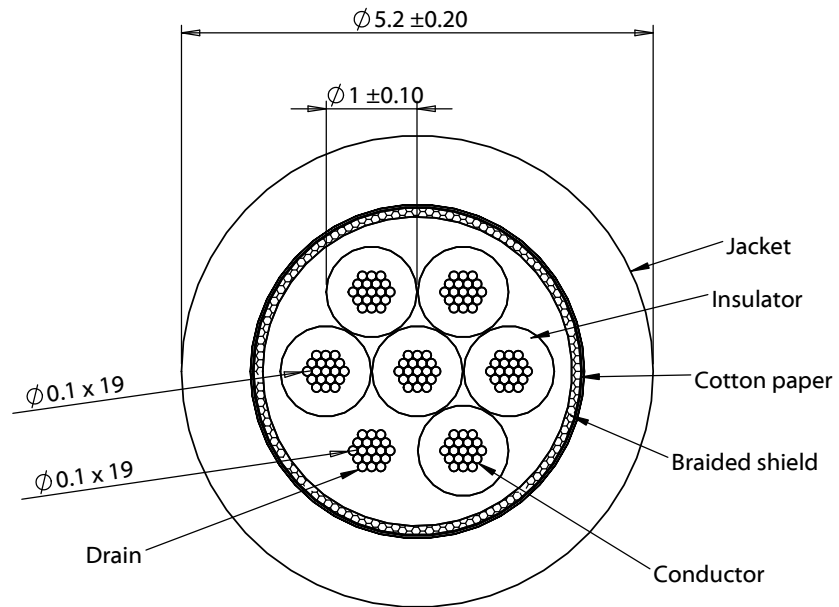
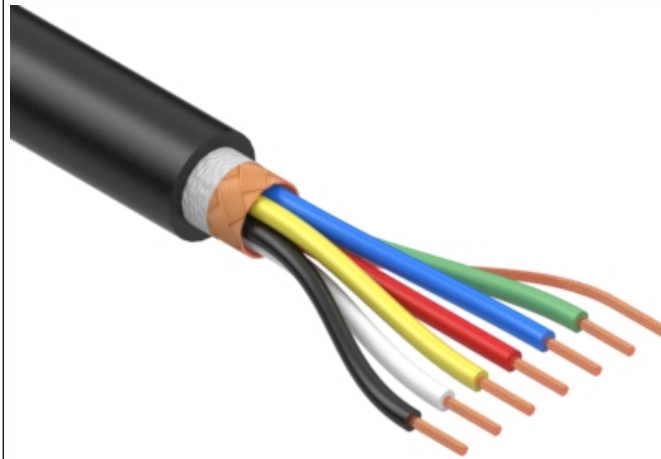
**Outer jacket**

Material: TPU (Polyether Polyurethane) 80A  
 Color: black  
 Diameter: Ø 5.2 ±0.20 mm  
 Nominal thickness: 0.83 mm

**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 ±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



Revision:	Date:	Description:
A	6/12/2019	Initial release

Prepared: **AG**  
Digitally signed by AG  
 Date: 2019.06.12 11:41:57  
 +07'00'

Verified: **JW**  
Digitally signed by JW  
 Date: 2019.06.13  
 09:28:29 -07'00'

Dimensions are in millimeters.  
 Tolerances:  
 X: ± 0.5 mm  
 X.X: ± 0.3 mm  
 X.XX: ± 0.05 mm

Notes:  
 RoHS and REACH compliant  
 Phthalate and halogen free  
 Function: no open, no short circuit, no intermittent

Description:  
 Wire, 6C BC, 26 AWG, UL20280, 300V, 80C, 5.2mm, braided shield, FT2, TPU

**TENSILITY**

tel 1.541.323.3228 800 877.670.7118  
 fax 1.541.323.4202 web tensility.com

Size: A	Part number: 30-00929
Scale: 12:1	Sheet 1 of 1