

**Ratings**

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

**Conductor**

Conductor count: 8  
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, orange, purple  
Diameter: Ø 1 ± 0.10 mm  
Nominal thickness: 0.21 mm  
Minimum resistance @ 20 °C: 100 MΩ /km

**Filler**

Material: cotton rope

**Shield**

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

**Drain**

Material: bare copper strands  
Stranding: Ø0.1 x 19

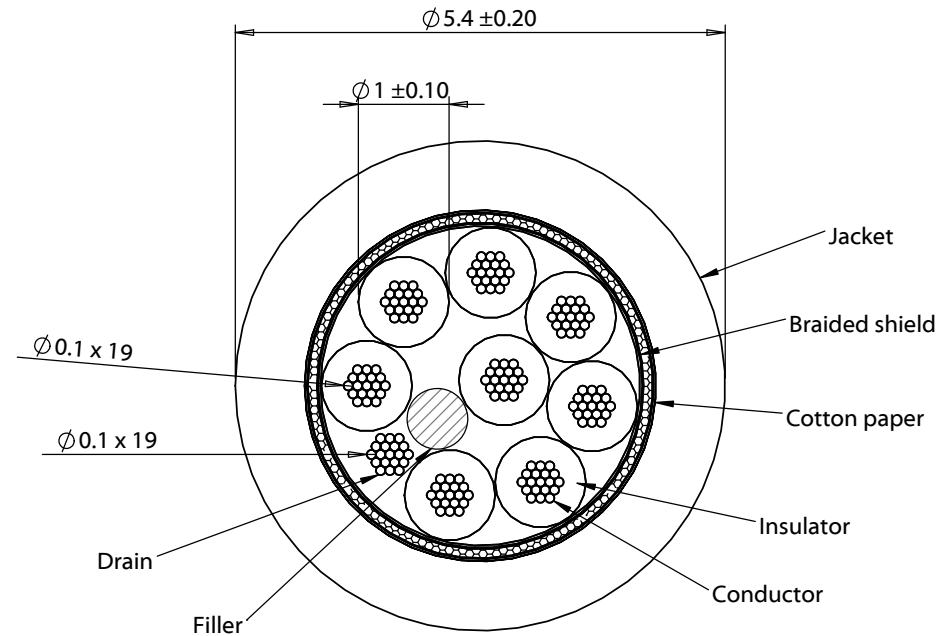
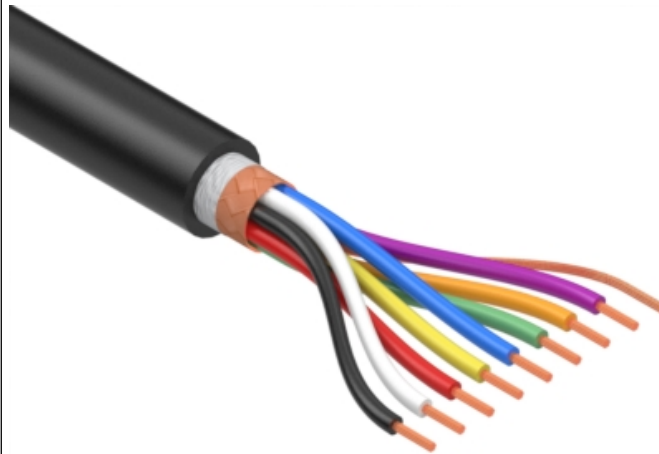
**Outer jacket**

Material: TPU (Polyether Polyurethane) 80A  
Color: black  
Diameter: Ø 5.4 ± 0.20 mm  
Nominal thickness: 0.85 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  
12:06:32 -07'00'

**Verified:**  
JW  
Digitally signed by JW  
Date: 2019.06.13  
10:00:28 -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, 8C BC, 26 AWG, UL20280, 300V, 80C, 5.4 mm, 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: 30-00939
Scale: 12:1	Sheet 1 of 1