

**Ratings**

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

**Conductor**

Conductor count: 10  
 Gauge: 28 AWG 0.1 mm<sup>2</sup>  
 Material: bare copper strands  
 Strand size: Ø 0.08 mm x 19  
 Max resistance at 20 °C: 223 Ω /km

**Insulator**

Material: TPE 85A  
 Color: white, black, red, yellow, blue, green, orange, purple, gray, brown  
 Diameter: Ø 0.85 ± 0.10 mm  
 Nominal thickness: 0.21 mm  
 Minimum resistance at 20 °C: 100 MΩ /km

**Shield**

Type: braided  
 Material: bare copper strands  
 Stranding: Ø 0.08 x 19  
 Coverage: 16/6/0.10 mm, 65% minimum

**Outer jacket**

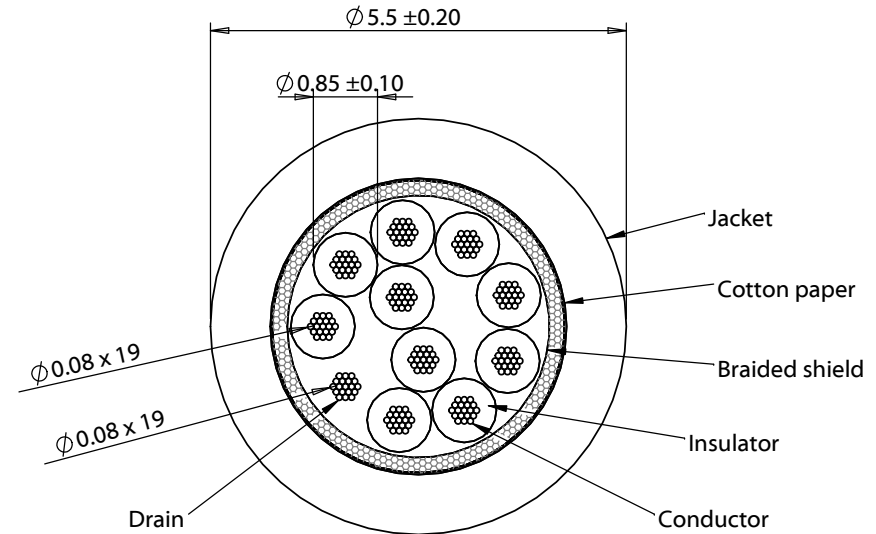
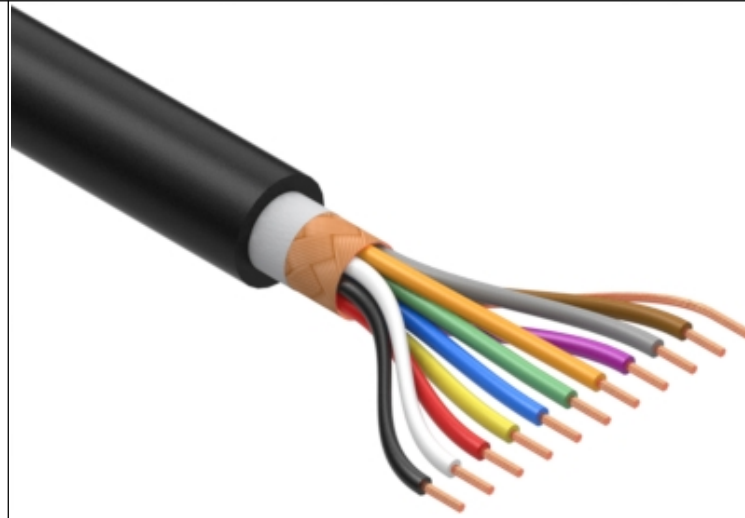
Material: TPU 80A  
 Color: black  
 Diameter: Ø 5.5 ± 0.20 mm  
 Nominal thickness: 0.80 mm

**Wire marking:** E339579 UL AWM STYLE 20280 28 AWG 80°C 300V --- cUL AWM I/II A 80°C 300V FT1 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: RoHS and REACH compliant  Phthalate and halogen free	<b>TENSILITY</b> tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com
A	05/06/2019	Initial release	Verified:		
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description:	Size: Part number:
				Wire, 10C BC, 28 AWG, UL20280, 300V, 80C, 5.5 mm, braided shield, FT2, TPU	A 30-00676
				Scale: 10:1	Sheet 1 of 1

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