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

Conductor
Conductor count: 7
Gauge: 28 AWG 0.1 mm²
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
Diameter: ∅0.85 ±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: ∅0.08 x 19

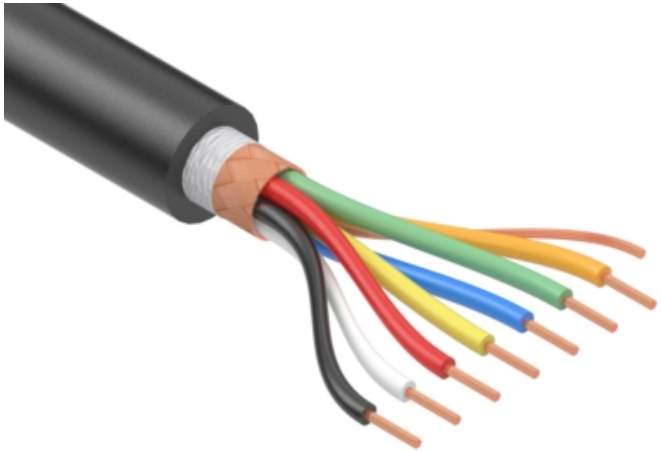
Outer jacket
Material: TPU (Polyether Polyurethane) 80 A
Color: black
Diameter: ∅4.8 ±0.20 mm
Nominal thickness: 0.85 mm

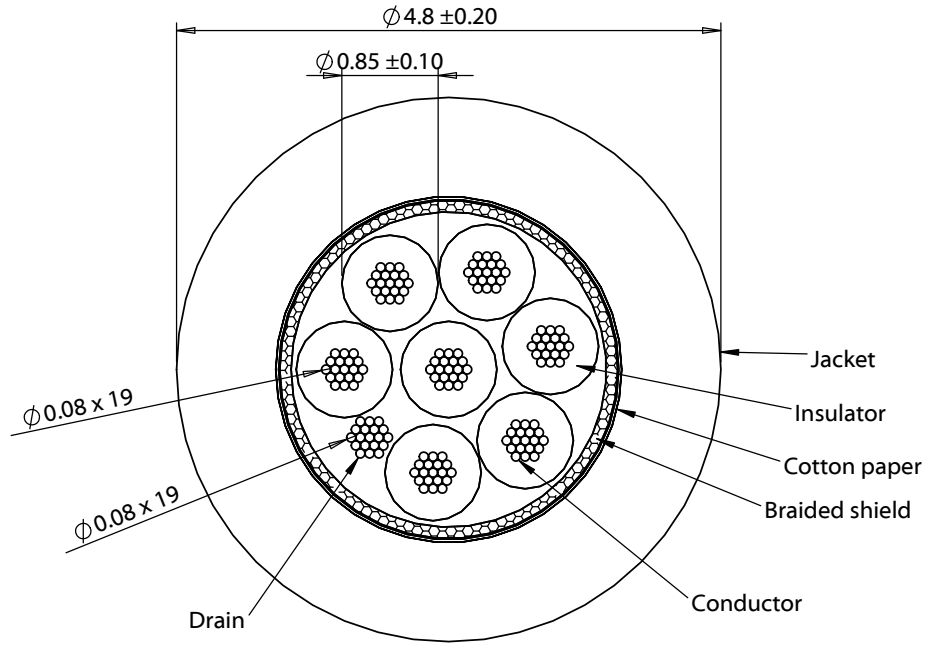
Wire marking: E339579 UL AWM STYLE 20280 28 AWG 80°C 300V - - - cUL AWM I/II A 80 °C 300V FT2 TENSILITY

Tests
Spark test: 3.0 kV
Insulation tensile strength: 0.562 kgf/mm²
Jacket tensile strength: 1.05 kgf/mm²
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:
A	6/13/2019	Initial release

Prepared: AG — Digitally signed by AG Date: 2019.06.13 11:55:05 -07'00'

Verified: JW — Digitally signed by JW Date: 2019.06.13 13:10:01 -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, 7C BC, 28 AWG, UL20280, 300V, 80C, 4.8 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: 30-00673
Scale: 15:1
Sheet 1 of 1

To see a custom version of this cable assembly, call Tensility at 541-323-3228 or email engineering@tensility.com

5 4 3 2 1