

Ratings

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

Conductor

Conductor count: 4
Gauge: 24 AWG 0.2 mm²
Material: bare copper strands
Strand size: $\varnothing 0.1 \times 26$
Max resistance at 20 °C: 87.6 Ω /km

Insulator

Material: TPE 85A
Color: white, black, red, green
Diameter: $\varnothing 1.1 \pm 0.10$ mm
Nominal thickness: 0.26 mm
Minimum resistance @ 20 °C: 100 M Ω /km

Shield

Type: braided
Material: bare copper strands
Stranding: $\varnothing 0.10$ mm, 65% minimum coverage

Drain

Material: bare copper strands
Stranding: $\varnothing 0.1 \times 26$

Outer jacket

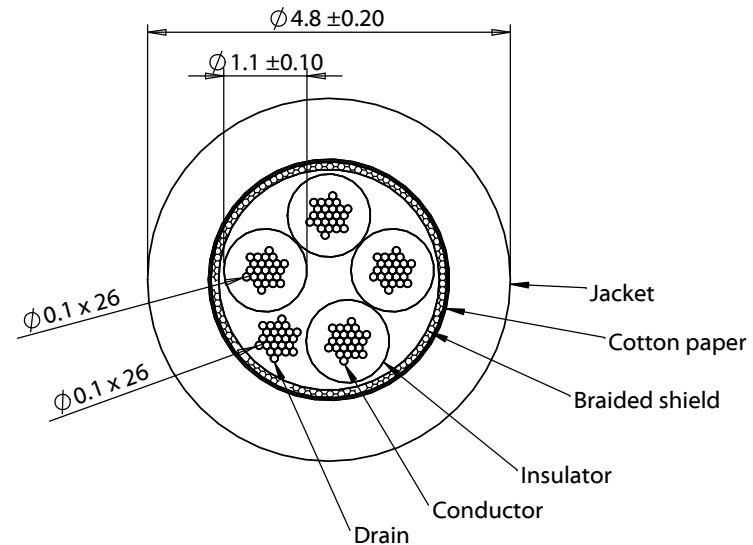
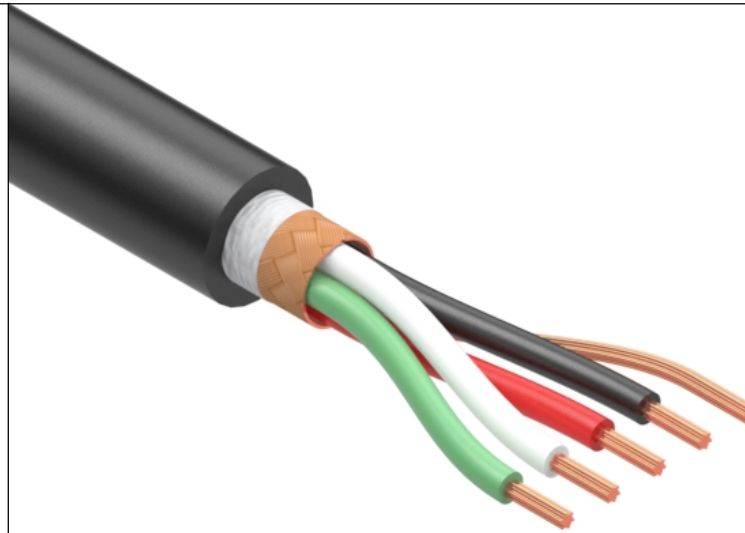
Material: TPU (Polyether Polyurethane) 80A
Color: black
Diameter: $\varnothing 4.8 \pm 0.20$ mm
Nominal thickness: 0.8 mm

Wire marking: E339579 UL AWM STYLE 20280 24 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:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	10/31/2023	Initial release	Verified:	RoHS and REACH compliant Phthalate and halogen free Function: no open, no short circuit, no intermittent			
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Description: Wire, 4C BC, 24 AWG, UL20280, 300V, 80C, 4.8 mm, braided shield, FT2, TPU	Size: A	Part number: 30-03401	Sheet 1 of 1
					Scale: 10:1		