

Ratings

Voltage: 300 V
Temperature: -25 to 80 °C
Flammability: VW-1

Conductor

Conductor count: 4
Gauge: 20 AWG 0.52 mm²
Material: tinned copper strands
Strand size: Ø 0.16 mm x 26
Resistance at 20 °C: 36.7 Ω /km max

Insulator

Material: PVC
Color: red, black, white, green
Diameter: Ø 1.55 ±0.10 mm
Nominal thickness: 0.29 mm
Resistance at 20 °C: 10 MΩ /km min

Drain

Stranding: Ø0.16 mm x 26, 20 AWG

Shield

Type: foil + braided
Material: aluminum mylar, tinned copper strands
Stranding: Ø0.127 mm
Coverage: 80% minimum

Outer jacket

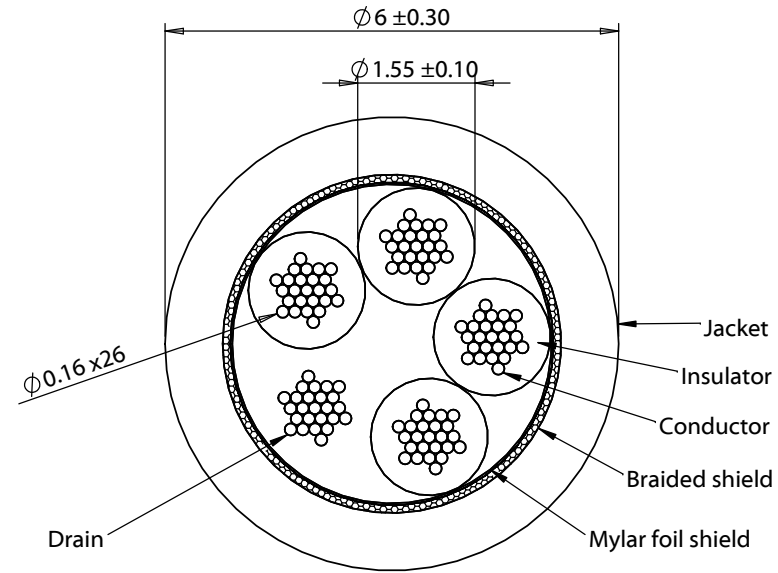
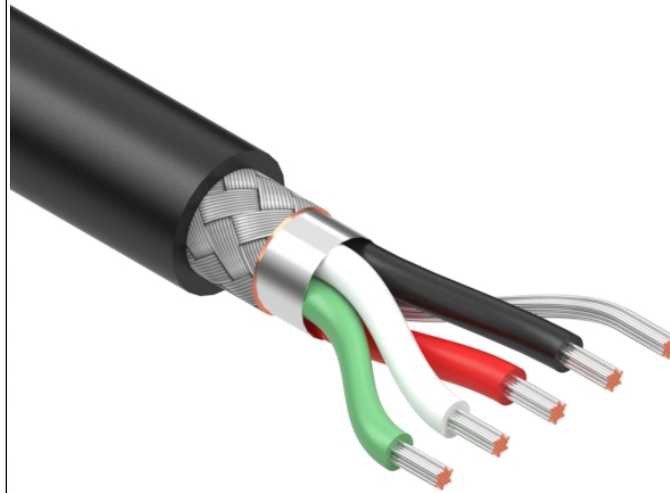
Material: PVC, 80A
Color: black
Diameter: Ø 6 ±0.30 mm
Nominal thickness: 0.87 mm

Wire marking: E339579 UL AWM STYLE 2464 20 AWG 80°C
300V VW-1 --- cUL AWM I/II A 80°C 300V FT1 TENSILITY

Tests

Voltage test: 300 V
Spark test: 3.0 kV
Max resistance at 20 °C: 36.7 ohm/km
Insulation tensile strength: 2.11 kgf/mm²
Jacket tensile strength: 1.05 kgf/mm²
After aging at 113 ±2 °C for 7 days:
Minimum tensile strength 70 % original
Minimum elongation 65 % 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 Function test: 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 TS, 20 AWG, UL2464, 300V, 80C, 6 mm, shielded, VW-1, PVC, black	Size: A	Part number: 30-03363	Sheet 1 of 1
					Scale: 10:1		

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