

Ratings

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

Conductor

Conductor count: 10
 Gauge: 18 AWG 0.82 mm²
 Material: tinned copper strands
 Strand size: Ø 0.16 mm x 41

Insulator

Material: PVC
 Color: brown, gray, purple, orange, green, blue, yellow, white, black, red
 Diameter: Ø 1.8 ± 0.10 mm
 Nominal thickness: 0.38 mm

Drain

Stranding: Ø 0.16 mm x 41, 18 AWG

Shield

Type: foil + braided
 Material: aluminum mylar, tinned copper strands
 Stranding: Ø 0.127 mm
 Coverage: 80% minimum

Outer jacket

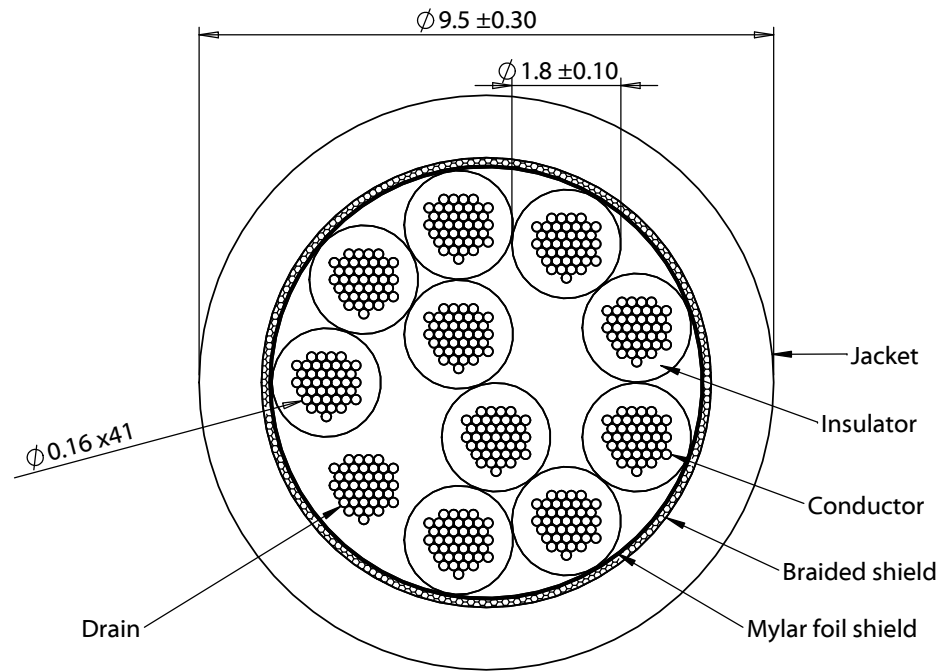
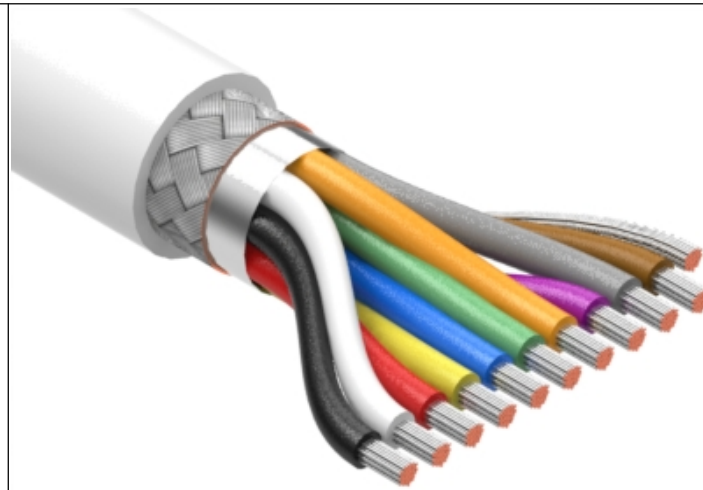
Material: PVC, 80A
 Color: white
 Diameter: Ø 9.5 ± 0.30 mm
 Nominal thickness: 0.8 mm



Wire marking: E339579 UL AWM STYLE 2464 18 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: 23.2 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: RoHS and REACH compliant	<h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com</p>
A	04/04/2018	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 TS, 18 AWG, UL2464, 300V, 80C, 9 mm, shielded, VW-1, PVC, white	A 30-01098
				Scale: 8:1	  Sheet 1 of 1

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