

Ratings

Voltage: 300 V
 Temperature: -20~80°C
 Flammability: VW-1

Conductor

Conductor count: 18
 Gauge: 22 AWG 0.33 mm²
 Material: tinned copper strands
 Strand size: Ø 0.08 mm x 65
 Resistance at 20 °C: 59.4 Ω/km max

Insulator

Material: PVC
 Color: red, black, white, yellow, blue, green, orange, purple, gray, brown, pink, magenta, light green, light blue, white/black, yellow/black, blue/black, green/black
 Diameter: Ø 1.3 ± 0.1mm
 Nominal thickness: 0.26 mm
 Tensile strength: 2.11 kgf/mm² min
 Resistance at 20 °C: 10 MΩ/km min

Drain

Stranding: Ø 0.08 mm x 65, 22 AWG

Filler

Material: cotton rope

Shield

Type: braid + foil
 Material: aluminum mylar, tinned copper strands
 Coverage: 65% minimum

Outer jacket

Material: PVC
 Color: black
 Diameter: Ø9 ± 0.25 mm
 Nominal thickness: 0.9 mm
 Tensile strength: 1.05 kgf/mm² min

Wire marking:

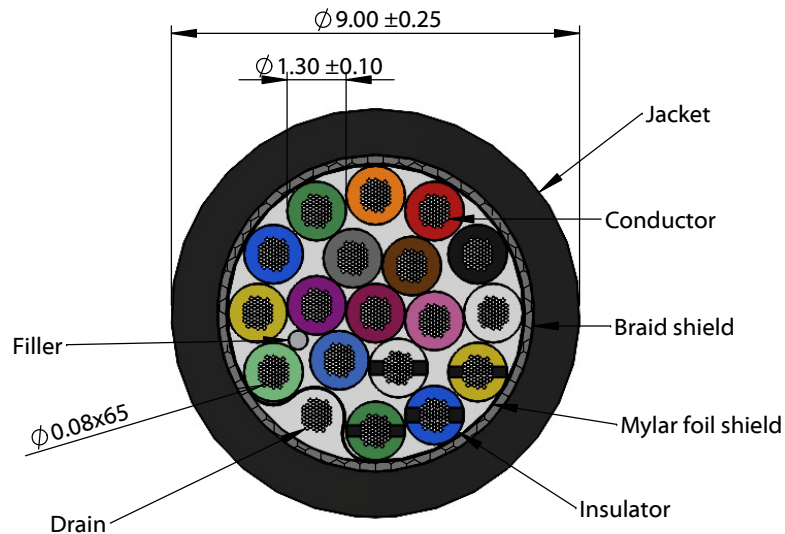
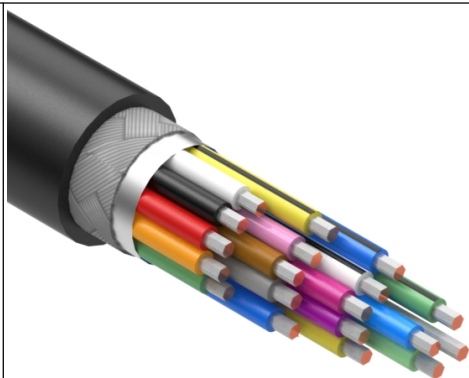
E339579 UL AWM STYLE 2464 22 AWG 80°C 300V VW-1 --- cUL
 AWM I/II A 80°C 300V FT1 TENSILITY

Tests

Spark test: 3.0 kV

Flex operation:

10 million cycles min in dynamic bend radius conditions
 Bend radius
 Static: 8 times the outer diameter (72 mm)
 Dynamic: 12 times the outer diameter (108 mm)



Revision:	Date:	Description:	Prepared:	Notes: RoHS compliant	<h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com</p>
A	06/02/2023	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, 18C, TS, 22 AWG, UL2464, cont flex, 300V, 80C, 9 mm, shielded, VW-1, PVC	A 30-03258
				Scale: 6:1	Sheet 1 of 1

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