

Ratings

Voltage: 600 V

Temperature

Static: -40~105 °C

Dynamic: -20 ~ 105 °C

Flammability: VW-1

Water resistant: 75 °C

Oil resistant: 100 °C, 96 hours (jacket)

≥50% elongation and tensile strength after aging

UV resistance: jacket, 720 hours xenon or carbon arc exposure

≥80% tensile strength and elongation after aging

Conductor

Conductor count: 3

Gauge: 16 AWG 1.32 mm²

Material: tinned copper strands

Strand size: Ø 0.25 mm x 26

Resistance at 20 °C: 14.6 Ω /km max

Insulator

Material: PVC

Color: red, black, white

Diameter: Ø 2.4 ±0.10 mm

Nominal thickness: 0.42 mm

Resistance at 20 °C: 0.75 MΩ /km min

Wrap

Material: cotton paper

Outer jacket

Material: TPU (Polyether Polyurethane)

Color: black

Diameter: Ø 7.3 ±0.20 mm

Nominal thickness: 0.76 mm

Wire marking:

E339579 UL AWM STYLE 21767 16 AWG 105°C 600V VW-1 --- cUL

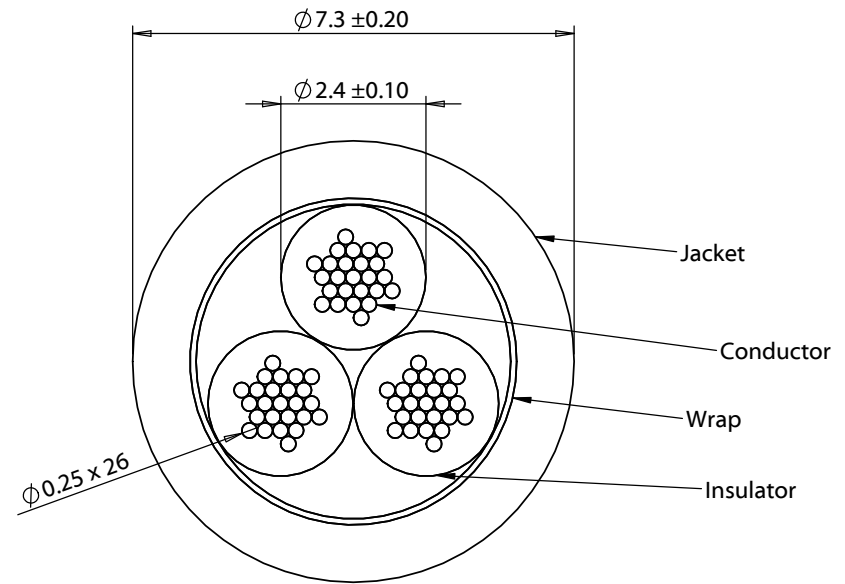
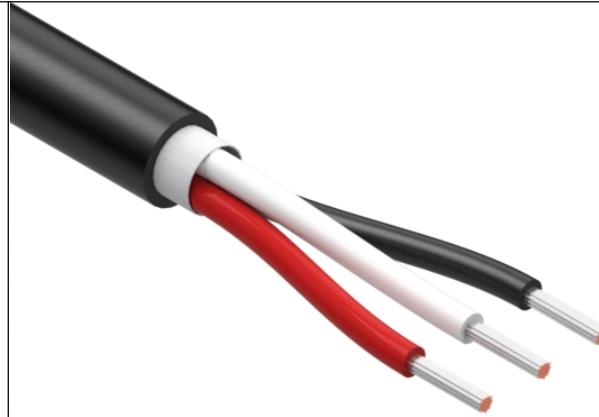
AWM II A 105°C 600V FT1 60 °C OIL RESISTANT UV RESISTANT

TENSILITY

Flex operation:

Static: 12 times the outer diameter (87.6 mm)

Dynamic: 15 times the outer diameter (109.5 mm)

Use: External wiring

Revision:	Date:	Description:	Prepared:	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	04/15/2025	Initial release	Verified:	RoHS 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, 3C TS, 16 AWG, UL21767, 600V, 105C, 60C oil, UV, 7.3 mm, VW-1, TPU	Size: A	Part number: 30-03515	
					Scale: 8:1		Sheet 1 of 1

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