

Ratings

Voltage: 300 V

Temperature: -20~80°C

Flammability: VW-1

Conductor

Conductor count: 2

Gauge: 28 AWG 0.1 mm²

Material: tinned copper strands

Strand size: Ø 0.08 mm x 19

Resistance at 20 °C: 239 Ω/km max

Insulator

Material: PVC

Color: red, black

Diameter: Ø 0.9 ± 0.08mm

Nominal thickness: 0.24 mm

Tensile strength: 2.11 kgf/mm² min

Resistance at 20 °C: 10 MΩ/km min

Drain

Stranding: Ø 0.08 mm x 19, 28 AWG

Shield

Type: braid + foil

Material: aluminum mylar, tinned copper strands

Coverage: 65% minimum

Outer jacket

Material: PVC

Color: black

Diameter: Ø3.9 ± 0.15 mm

Nominal thickness: 0.8 mm

Tensile strength: 1.05 kgf/mm² min**Wire marking:**

E339579 UL AWM STYLE 2464 28 AWG 80°C 300V VW-1 --- cUL

AWM I/II A 80°C 300V FT1 TENSILITY

Tests

Spark test: 3.0 kV

After aging at 113 ±2 °C for 7 days:

Minimum tensile strength 70 % original

Minimum elongation 65 % original

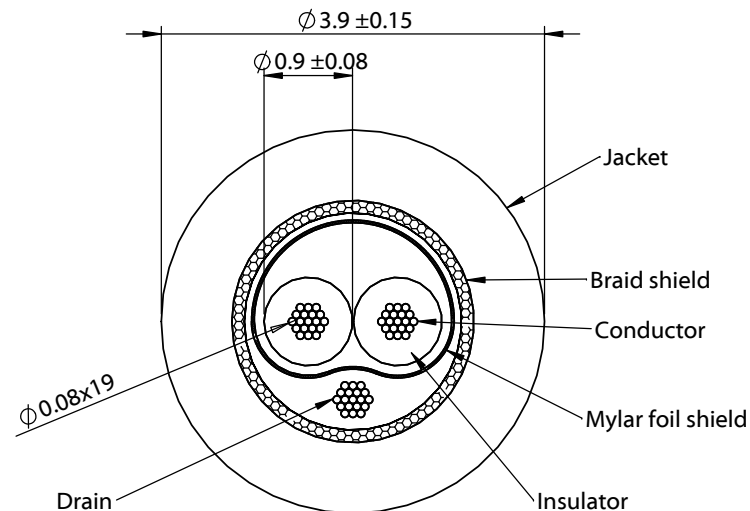
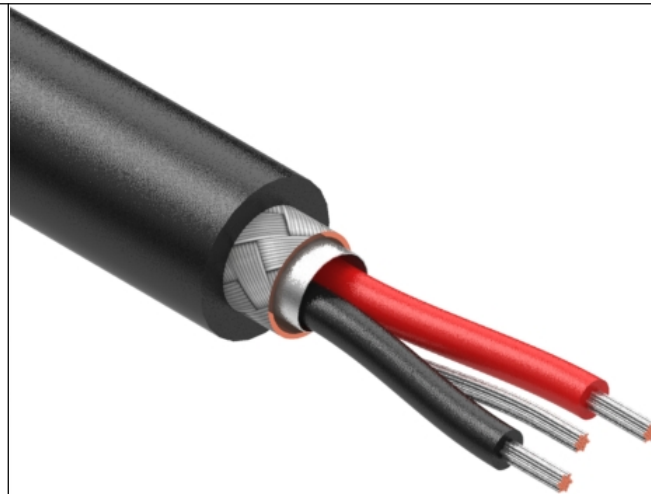
Use: Internal wiring or external interconnection of electronic equipment.**Flex operation:**

10 million cycles min in dynamic bend radius conditions

Bend radius

Static: 8 times the outer diameter (31.2 mm)

Dynamic: 12 times the outer diameter (46.8 mm)



Revision:	Date:	Description:	Prepared: RR Digitally signed by RR Date: 2024.07.18 15:46:05 -07'00'	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com		
A	05/09/2023	Initial release	Verified: AL Digitally signed by AL Date: 2024.07.22 17:23:52 -07'00'	RoHS compliant			
			Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm	Function test: no open, no short circuit, no intermittent	Size: Part number:		
				Description:	A 30-03205		
				Wire, 2C, TS, 28 AWG, UL2464, cont flex, 300V, 80C, 3.9 mm, VW-1, PVC	Scale: 13:1		Sheet 1 of 1

5

4

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2

1