

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

Conductor
Conductor count: 4
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, white, green
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

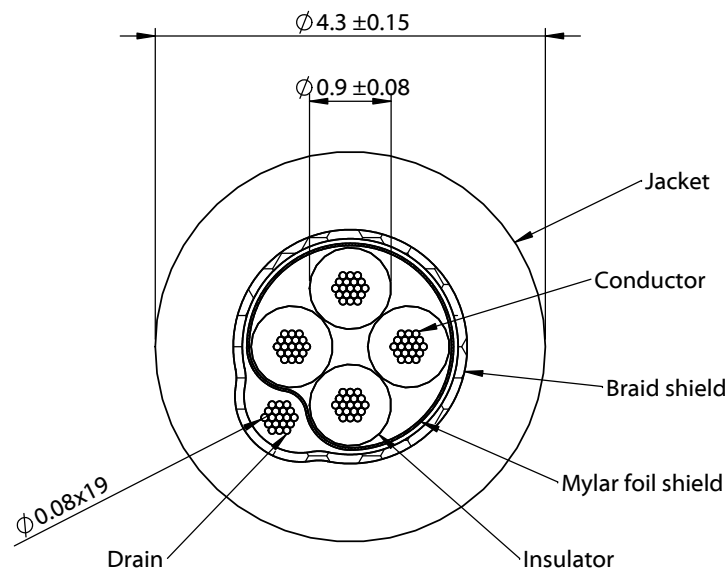
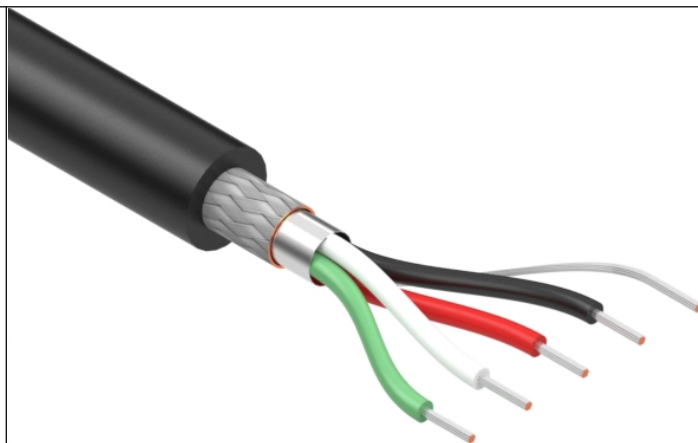
Outer jacket
Material: PVC
Color: black
Diameter: Ø4.3 ± 0.15 mm
Nominal thickness: 0.81 mm
Tensile strength: 1.05 kgf/mm² min

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 (34.4 mm)
Dynamic: 12 times the outer diameter (51.6 mm)



Revision:	Date:	Description:	Prepared: RR Digitally signed by RR Date: 2024.07.22 10:25:32 -07'00'	Notes:	TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com	
A	05/18/2023	Initial release	Verified: AL Digitally signed by AL Date: 2024.07.22 17:56:32 -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	Description:	
					Wire, 4C, TS, 28 AWG, UL2464, cont flex, 300V, 80C, 4.3 mm, VW-1, PVC	
					Size:	Part number:
					A	30-03219
					Scale: 12:1	Sheet 1 of 1

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