

Ratings

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

Conductor

Conductor count: 3
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
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: Ø4.1 ± 0.15 mm
Nominal thickness: 0.83 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

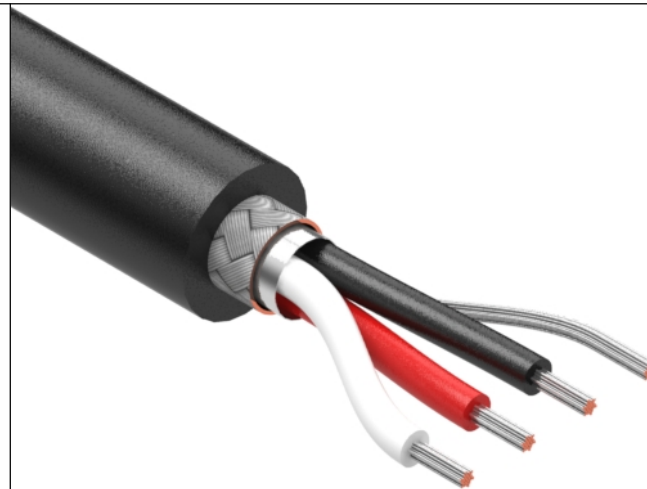
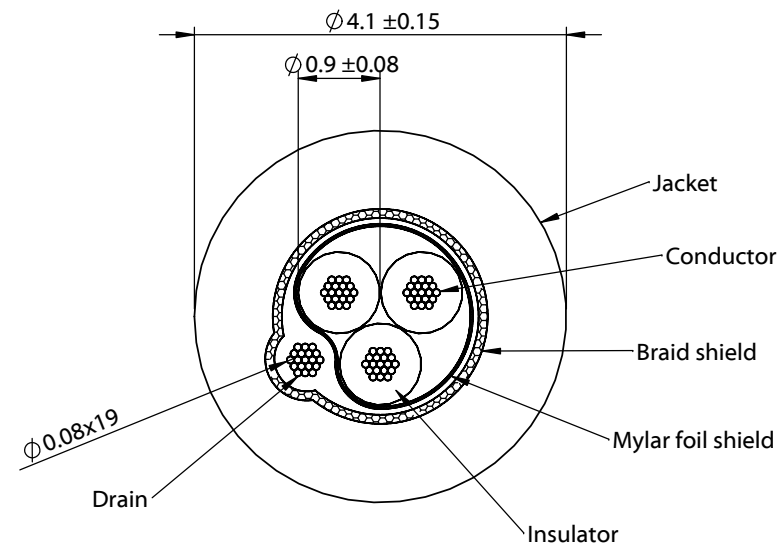
Tests

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 (32.8 mm)
Dynamic: 12 times the outer diameter (49.2 mm)



Revision:	Date:	Description:	Prepared: RR <small>Digitally signed by RR Date: 2024.07.19 11:46:38 -07'00'</small>	Notes:	TENSILITY <small>tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com</small>		
A	05/17/2023	Initial release	Verified: AL <small>Digitally signed by AL Date: 2024.07.22 17:45:24 -07'00'</small>	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 30-03212		
				Wire, 3C, TS, 28 AWG, UL2464, cont flex, 300V, 80C, 4.1 mm, VW-1, PVC	Scale: 12:1		Sheet 1 of 1

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