

Ratings

Voltage: 300 V
 Temperature: 80 °C
 Flammability: VW-1, FT1

Conductor

Conductor count: 9
 Gauge: 28 AWG, 0.089 mm²
 Material: tinned copper strands
 Stranding: $\phi 0.127 \times 7$
 Resistance at 20 °C: 240 ohm/km maximum

Insulator

Material: SRPVC, 80 °C
 Color: black, white, red, yellow, blue, green, orange, purple, gray

Outer diameter: $\phi 0.95 \pm 0.10$ mm
 Thickness: 0.23 mm minimum average
 Style: UL 1061

Outer jacket

Material: PVC, 80 °C
 Color: black

Diameter: $\phi 4.8 \pm 0.30$ mm
 Thickness: 0.76 mm minimum average

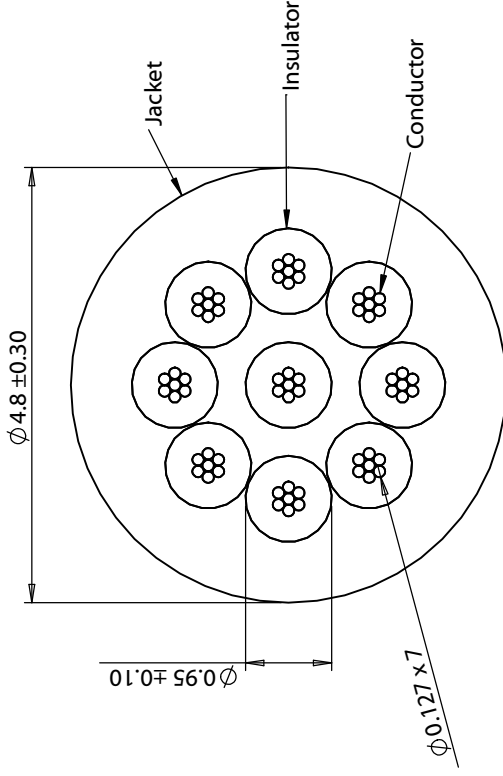
Wire marking: E339579 UL AWM STYLE 2464 28AWG 80°C 300V VW-1 --- cUL AWM I A 80°C 300V FT1 TENSILITY

Tests

Tensile strength: 1.05 kgf/mm²
 After aging at 113 ± 2 °C for 7 days:
 Minimum tensile strength 70 % original
 Minimum elongation 65 % original
 Flexibility: no observed cracking
 Heat shock: 121 ± 1 °C / 1 hour, no observed degradation
 Deformation: 121 ± 1 °C / 1 hour, ≤ 50 %
 Cold bend: -10 ± 2 °C / 1 hour, no observed cracking
 Dielectric: 2000 Vac for 1 minute without breakdown

Use:

Internal wiring or external interconnection of electronic equipment



REVISION	DATE	DESCRIPTION
A	10/13/2015	Initial release
A1	1/26/2016	updated dimensions

PREPARED:
AG 2016.01.26
 18:10:18 -06:00'

VERIFIED:
LA Responsible for the
 design and assembly
 email: lazar@tensility.com
 Date: 2016.03.28 10:12:46 -0700'

DIMENSIONS ARE IN MILLIMETERS
TOLERANCES:
 X: ± 0.5 mm
 X.X: ± 0.3 mm
 X.XX: ± 0.05 mm

NOTES
 RoHS and REACH compliant
 Function test: no open, no short circuit, no intermittent
 Meets UL appliance wiring standard 758

DESCRIPTION:
 Wire, 9C TS, 28 AWG, UL2464, 300V, 80C, 4.8 mm, VW-1, PVC

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SIZE	PART NUMBER
A	30-00528
SCALE: 1:1	SHEET 1 OF 1