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

Conductor
Conductor count: 6
Gauge: 28 AWG, 0.089 mm²
Material: tinned copper strands
Stranding: ∅0.127 x 7
Resistance at 20 °C: 240 ohm/km maximum

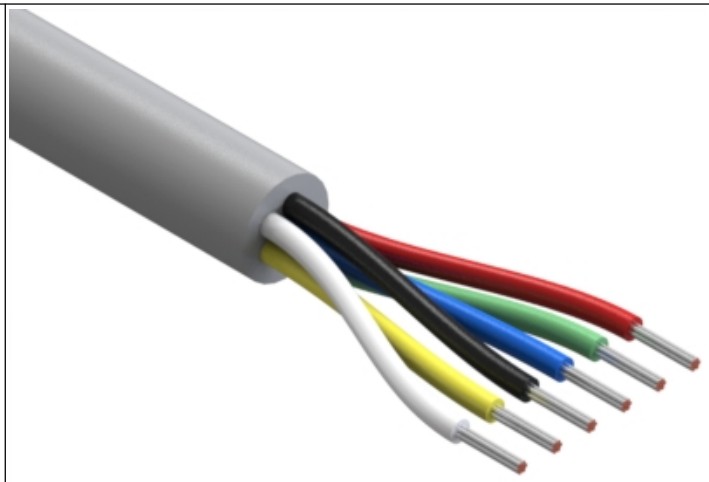
Insulator
Material: SRPVC, 80 °C
Color: black, white, red, yellow, blue, green
Outer diameter: ∅0.95 ±0.1 mm
Thickness: 0.23 mm minimum average
Style: UL 1061

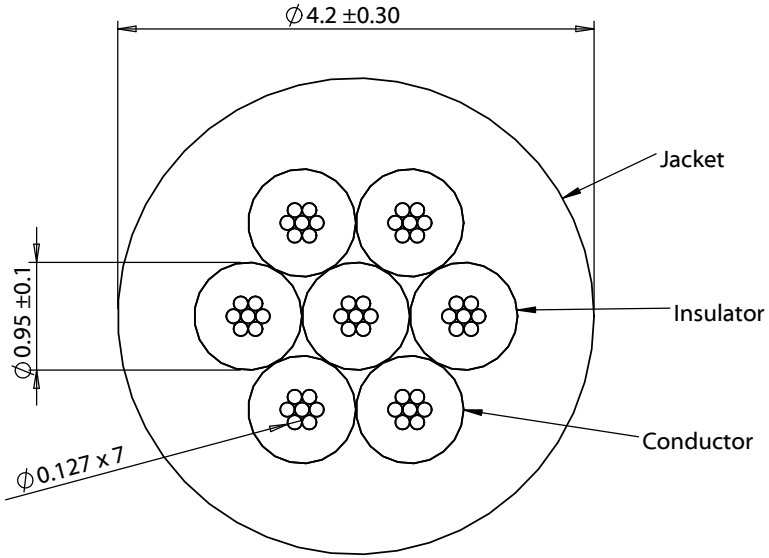
Outer jacket
Material: PVC, 80 °C
Color: gray
Diameter: ∅4.2 ±0.30 mm
Thickness: 0.76 mm minimum average

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 /1hour, ≤ 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 jacket dimensions

PREPARED: AG 2016.01.26 09:39:15 -08'00'

VERIFIED: LA Digitally signed by LA DN: cn=LA, o=Tensility, ou=Engineering, email=DA002@Tensility.com, c=US Date: 2016.01.26 16:59:57 -08'00'

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, 6C TS, 28 AWG, UL2464, 300V, 80C, 4.2 mm, VW-1, PVC, gray

TENSILITY
20802 Sockeye Place #130
Bend, OR 97701 USA
tel 541.323.3228 *fax* 541.323.4202
800 877.670.7118 www.tensility.com

SIZE	PART NUMBER
A	30-00512

SCALE: 1:1 | SHEET 1 OF 1

5 4 3 2 1