

Ratings

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

Conductor

Conductor count: 8
Gauge: 28 AWG, 0.089 mm²
Material: tinned copper strands
Stranding: $\varnothing 0.127 \times 7$
Resistance at 20 °C: 240 ohm/km maximum

Insulator

Material: SRPVC, 80 °C
Color: black, white, red, yellow, blue, green, orange, purple
Outer diameter: $\varnothing 0.95 \pm 0.10$ mm
Thickness: 0.23 mm minimum average
Style: UL 1061

Outer jacket

Material: PVC, 80 °C
Color: gray
Diameter: $\varnothing 4.65 \pm 0.30$ mm
Thickness: 0.76 mm minimum average

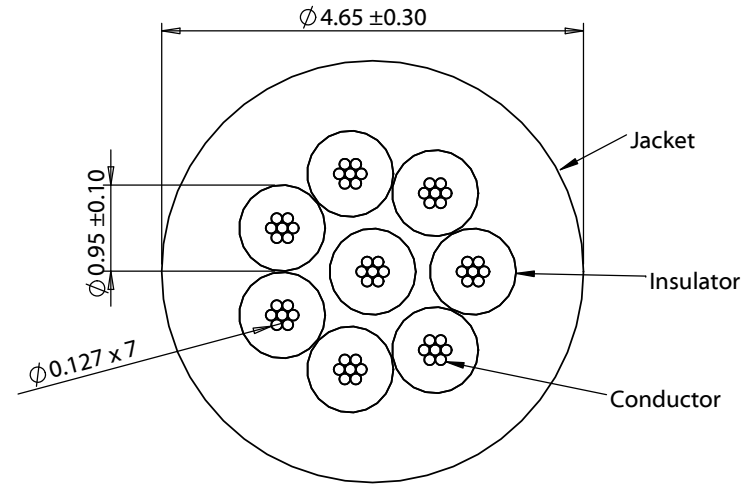
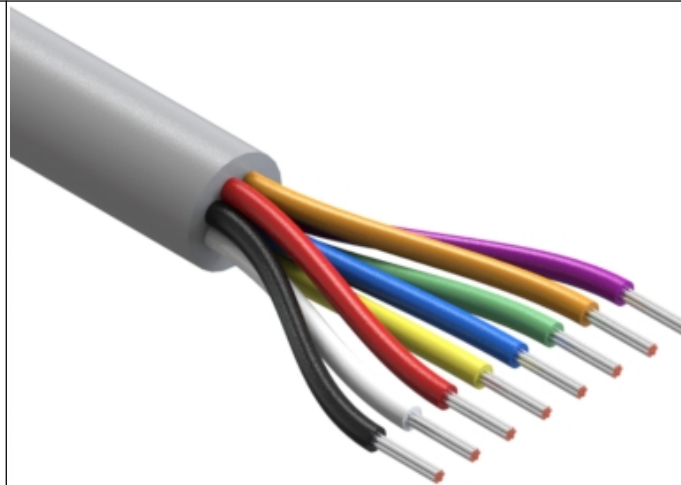
Wire marking: E339579 UL AWM STYLE 2464 28AWG 80°C 300V VW-1 --- cUL AWM I A 80°C 300V FT1 TENSILITY

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 /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 dimensions

PREPARED:

VERIFIED:

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, 8C TS, 28 AWG, UL2464, 300V, 80C, 4.65 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 A	PART NUMBER 30-00524
SCALE: 1:1	SHEET 1 OF 1