

Ratings

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

Conductor

Conductor count: 7
 Gauge: 24 AWG, 0.22 mm²
 Material: tinned copper strands
 Stranding: $\phi 0.16 \times 11$
 Resistance at 20 °C: 95 ohm/km maximum

Insulator

Material: SRPVC, 80 °C
 Color: black, white, red, yellow, blue, green, orange
 Outer diameter: $\phi 1.2 \pm 0.10$ mm
 Thickness: 0.23 mm minimum average
 Style: UL 1061

Outer jacket

Material: PVC, 80 °C
 Color: white
 Diameter: $\phi 5.2 \pm 0.30$ mm
 Thickness: 0.76 mm minimum average

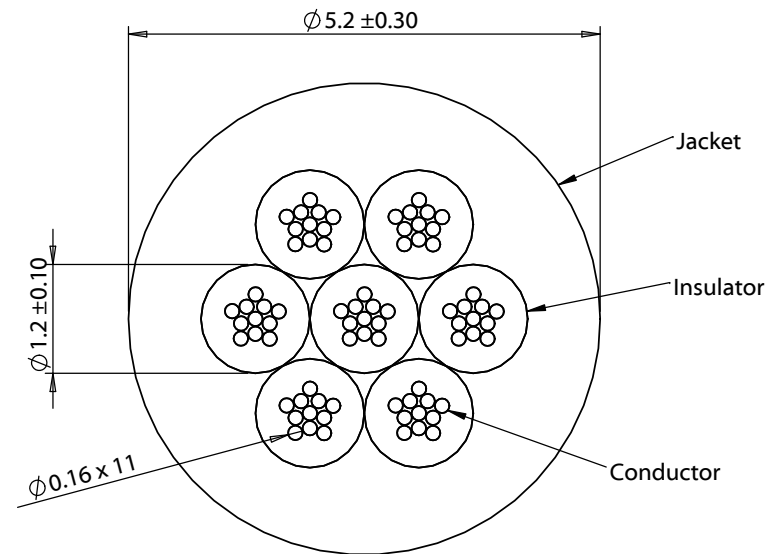
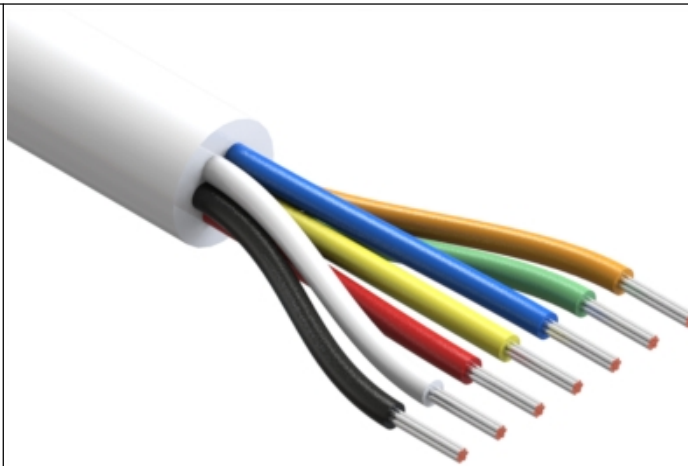
Wire marking: E339579 UL AWM STYLE 2464 24AWG 80°C
 300V VW-1 --- cUL AWM I A 80°C 300V FT1 TENSILITY

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 | PREPARED: | NOTES | TENSILITY 20802 Sockeye Place #130 Bend, OR 97701 USA tel 541.323.3228 fax 541.323.4202 800 877.670.7118 www.tensility.com | | |
|----------|------------|----------------------------------|--|--|---|----------|--|
| A | 10/13/2015 | Initial release | | RoHS and REACH compliant | | | |
| A1 | 1/26/2016 | Updated stranding and dimensions | VERIFIED: | Function test: no open, no short circuit, no intermittent | A | 30-00514 | |
| | | | DIMENSIONS ARE IN MILLIMETERS | Meets UL appliance wiring standard 758 | SCALE: 1:1 | | |
| | | | TOLERANCES: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm | DESCRIPTION: Wire, 7C TS, 24 AWG, UL2464, 300V, 80C, 5.2 mm, VW-1, PVC, white | SHEET 1 OF 1 | | |