

Ratings

Voltage: 300 V
 Temperature: -25 ~ 80 °C
 Flammability: VW-1

Conductor

Conductor count: 7
 Gauge: 28 AWG 0.09 mm²
 Material: tinned copper strands
 Strand size: $\varnothing 0.127 \times 7$
 Resistance at 20 °C: 239 Ω /km max

Insulator

Material: PVC
 Color: white, black, red, yellow, blue, green, orange
 Diameter: $\varnothing 0.95 \pm 0.10$ mm
 Nominal thickness: 0.26 mm
 Resistance at 20 °C: 10 M Ω /km min

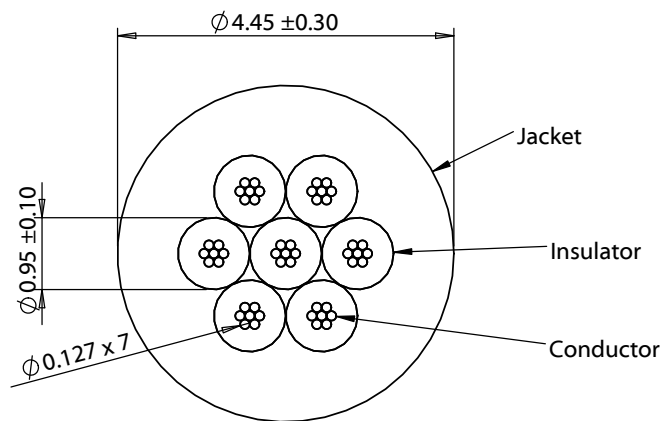
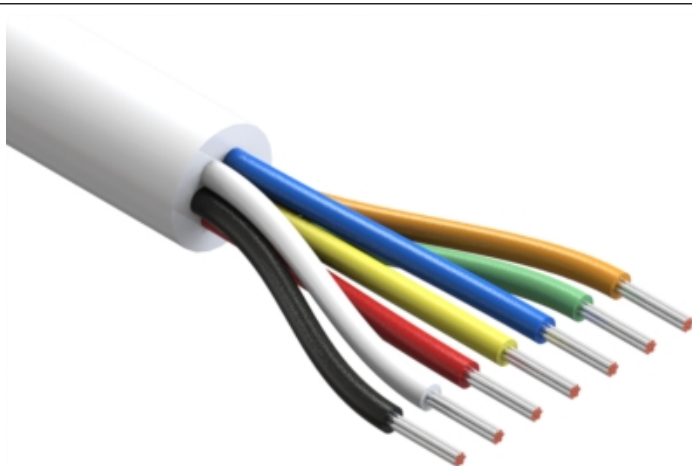
Outer jacket

Material: PVC
 Color: white
 Diameter: $\varnothing 4.45 \pm 0.30$ mm
 Nominal thickness: 0.80 mm

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

Insulation tensile strength: 2.11 kgf/mm²
 Jacket tensile strength: 1.05 kgf/mm²
 After aging at 113 ± 2 °C for 7 days:
 Minimum tensile strength 70 % original
 Minimum elongation 65 % original
 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



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|-----------|------------|---------------------------------------|--|---|---|---|
| Revision: | Date: | Description: | Prepared: | Notes: RoHS and REACH compliant | <h1>TENSILITY</h1> <p>tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com</p> | |
| A | 10/13/2015 | Initial release | Verified: | | | Function test: no open, no short circuit, no intermittent |
| A1 | 1/26/2016 | Updated jacket dimensions | Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm | Description: Wire, 7C TS, 28 AWG, UL2464, 300V, 80C, 4.45 mm, VW-1, PVC, white | Size: A | Part number: 30-00517 |
| A2 | 9/5/2018 | Increased operating temperature range | | | Scale: 10:1 | |

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