

Ratings

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

Conductor

Conductor count: 6
 Gauge: 24 AWG 0.22 mm²
 Material: tinned copper strands
 Strand size: ϕ 0.16 x 11
 Resistance at 20 °C: 94.2 Ω /km max

Insulator

Material: PVC
 Color: black, white, red, yellow, blue, green
 Diameter: ϕ 1.2 \pm 0.10 mm
 Nominal thickness: 0.28 mm
 Resistance at 20 °C: 10 M Ω /km min

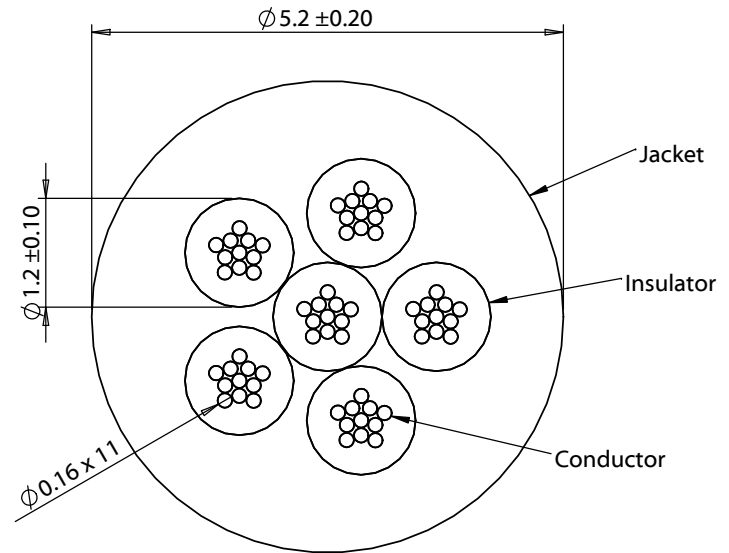
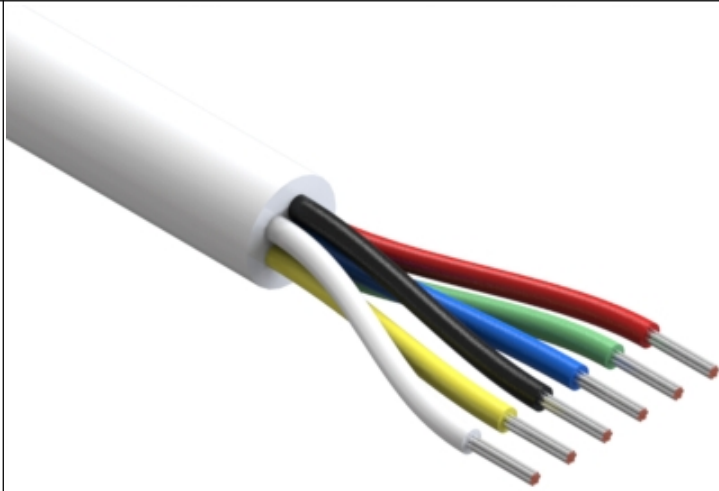
Outer jacket

Material: PVC
 Color: white
 Diameter: ϕ 5.2 \pm 0.20 mm
 Nominal thickness: 0.80 mm

Wire marking: E339579 UL AWM STYLE 2464 24 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 \pm 2 °C for 7 days:
 Minimum tensile strength 70 % original
 Minimum elongation 65 % original
 Heat shock: 121 \pm 1 °C /1 hour, no observed degradation
 Deformation: 121 \pm 1 °C /1 hour, \leq 50 %
 Cold bend: -10 \pm 2 °C /1 hour, no observed cracking



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|-----------|------------|---------------------------------------|--|--|---|---|
| Revision: | Date: | Description: | Prepared: | Notes: RoHS and REACH compliant | TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com | |
| A | 10/13/2015 | Initial release | Verified: | | | Function test: no open, no short circuit, no intermittent |
| A1 | 01/26/2016 | Updated dimensions | Dimensions are in millimeters. Tolerances: X: \pm 0.5 mm X.X: \pm 0.3 mm X.XX: \pm 0.05 mm | Description: Wire, 6C TS, 24 AWG, UL2464, 300V, 80C, 5.2 mm, VW-1, PVC, white | Size: | Part number: |
| A2 | 09/06/2018 | Increased operating temperature range | | | A | 30-00508 |
| | | | | | Scale: 12:1 | |

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