

Ratings

Voltage: 300 V
 Temperature: -10 to 105 °C
 Flammability: VW-1

Conductor

Conductor count: 2
 Gauge: 14 AWG 2.08 mm²
 Material: tinned copper strands
 Strand size: \varnothing 0.254 mm x 41

Outer jacket

Material: PVC/52P
 Color: white
 Diameter: 6 ± 0.20 mm ($3.0 \pm 0.15 \times 2$)
 Nominal thickness: 0.53 mm

Electrical requirements

Voltage test: 300 V
 Spark test: 3.0 kV
 Conductor maximum resistance at 20 °C: 8.96 ohms/km
 Jacket resistance at 20 °C: 2.5 Mohms/km
 Dielectric test: 2000 Vac for 1 minute with no breakdown

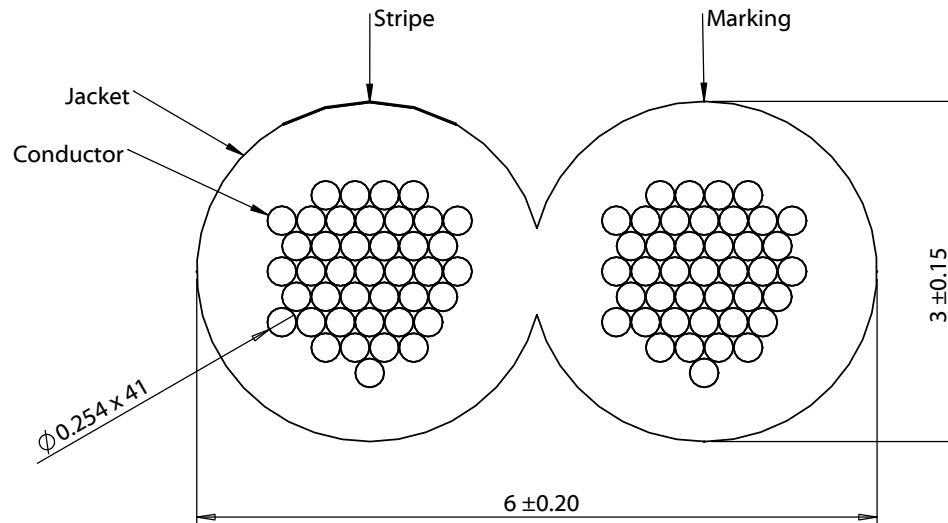
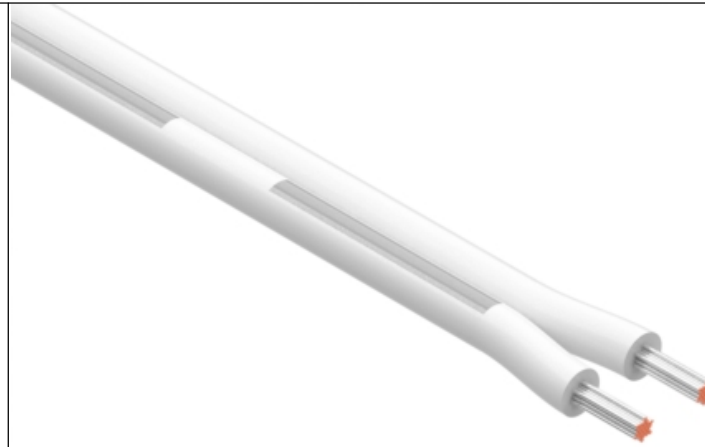
Mechanical requirements

Jacket tensile strength: 1.05 kgf/mm²
 After aging at 136 ± 2 °C for 7 days:
 Minimum tensile strength 70% of original
 Minimum elongation 65% of original

Environmental requirements

Heat shock: 136 ± 1 °C/1 hour, no observed degradation
 Deformation: 136 ± 1 °C/1 hour, $\leq 50\%$
 Cold bend: -10 ± 2 °C/1 hour, no observed cracking

Wire marking: E339579 UL AWM STYLE 2651 14 AWG 105°C 300V VW-1 --- cUL AWM I A 105°C 300V FT1 TENSILITY



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|-----------|-----------|-----------------|--|---|---|
| Revision: | Date: | Description: | Prepared: | Notes: | TENSILITY tel 1.541.323.3228 800 877.670.7118 fax 1.541.323.4202 web tensility.com |
| A | 6/16/2022 | Initial release | JD <small>Digitally signed by JD Date: 2022.06.16 16:48:48 -07'00'</small> | RoHS compliant | |
| | | | Verified: | Function test: no open, no short circuit, no intermittent | Size: Part number: A 30-02615 |
| | | | PB <small>Digitally signed by PB Date: 2022.06.17 10:56:24 -07'00'</small> | Description: | |
| | | | Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm | Wire, 2C TS, 14 AWG, UL2651, 300V, 105C, 6.0 mm, VW-1, PVC, white | Scale: 15:1 |
| | | | | | Sheet 1 of 1 |