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: Ø 0.254 mm x 41

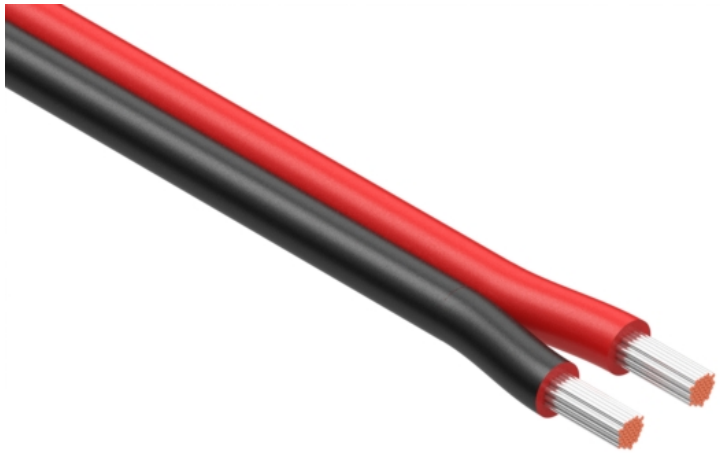
Outer jacket
Material: PVC/52P
Color: red and black
Diameter: 6 ±0.20 mm (3.0±0.15 x 2)
Nominal thickness: 0.53 mm

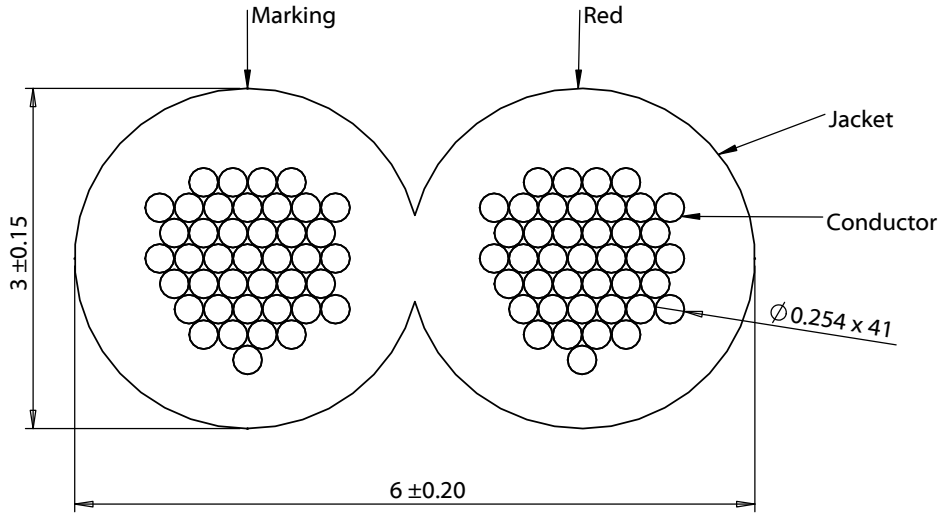
Electrical requirements
Voltage test: 300 V
Spark test: 3.0 kV
Conductor maximum resistance at 20 °C: 8.96 ohms/km
Jacket resistance at 20 °C: 2.5 Mohms/km
Dielectric test: 2000 Vac for 1 minute with no breakdown

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, ≤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





Revision:	Date:	Description:
A	6/16/2022	Initial release

Prepared: PB
Digitally signed by PB
Date: 2022.06.17 15:09:21 -07'00'

Verified: JD
Digitally signed by JD
Date: 2022.06.17 15:11:38 -07'00'

Dimensions are in millimeters.
Tolerances:
X: ± 0.5 mm
X.X: ± 0.3 mm
X.XX: ± 0.05 mm

Notes:

RoHS compliant

Function test: no open, no short circuit, no intermittent

Description:

Wire, 2C TS, 14 AWG, UL2651, 300V, 105C, 6.0 mm, VW-1, PVC, red and black

TENSILITY
tel 1.541.323.3228 800 877.670.7118
fax 1.541.323.4202 web tensility.com

Size: A
Part number: 30-02616
Scale: 15:1
Sheet 1 of 1

To see a custom version of this cable assembly, call Tensility at 541-323-3228 or email engineering@tensility.com

5 4 3 2 1