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

Conductor
Conductor count: 8
Gauge: 18 AWG 0.82 mm²
Material: tinned copper strands
Strand size: ∅0.16 mm x 41
Resistance at 20 °C: 23.2 Ω /km max

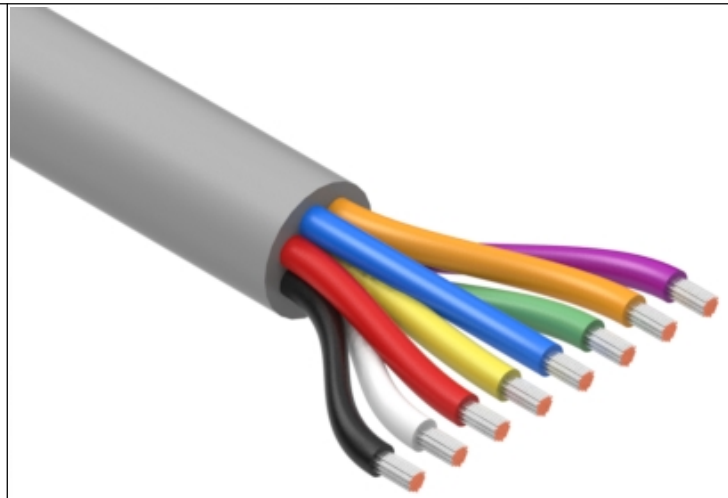
Insulator
Material: PVC
Color: red, black, white, yellow, blue, green, orange, purple
Diameter: ∅1.8 ±0.10 mm
Nominal thickness: 0.29 mm
Resistance at 20 °C: 10 MΩ /km min

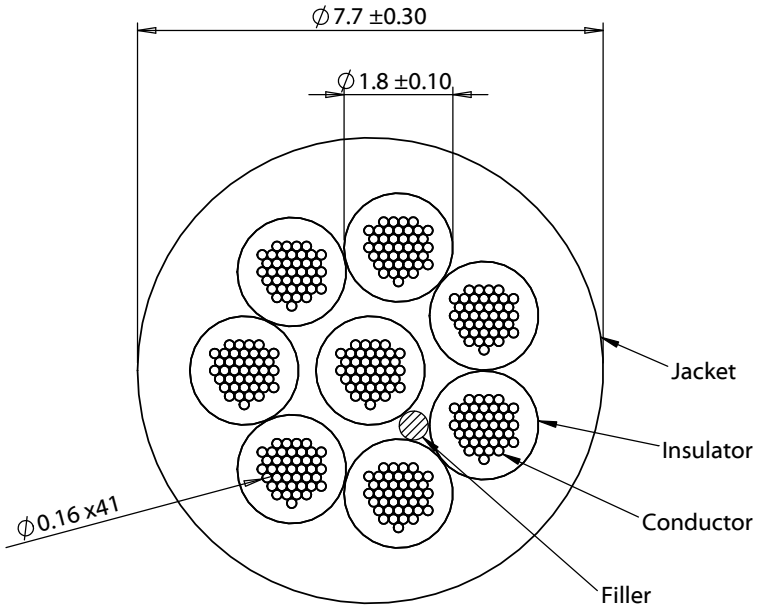
Filler
Material: cotton rope

Outer jacket
Material: PVC
Color: gray
Diameter: ∅7.7 ±0.30 mm
Nominal thickness: 0.88 mm

Wire marking: E339579 UL AWM STYLE 2464 18 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





Revision:	Date:	Description:
A	5/16/2019	Initial release

Prepared: AW Digitally signed by AW Date: 2019.05.16 14:11:46 -07'00'

Verified: JP Digitally signed by JP Date: 2019.05.17 12:08:56 -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, 8C TS, 18 AWG, UL2464, 300V, 80C, 7.7 mm, VW-1, PVC, 60P, gray

TENSILITY
tel 1.541.323.3228 800 877.670.7118
fax 1.541.323.4202 web tensility.com

Size: A
Part number: 30-01312
Scale: 8:1
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