

Ratings

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

Conductor

Conductor count: 4
Gauge: 18 AWG 0.82 mm²
Material: tinned copper strands
Strand size: Ø 0.16 x 41
Resistance at 20 °C: 23.2 Ω /km max

Insulator

Material: PVC
Color: black, white, red, yellow
Diameter: Ø 1.8 ±0.1 mm
Nominal thickness: 0.29 mm
Resistance at 20 °C: 10 MΩ /km min

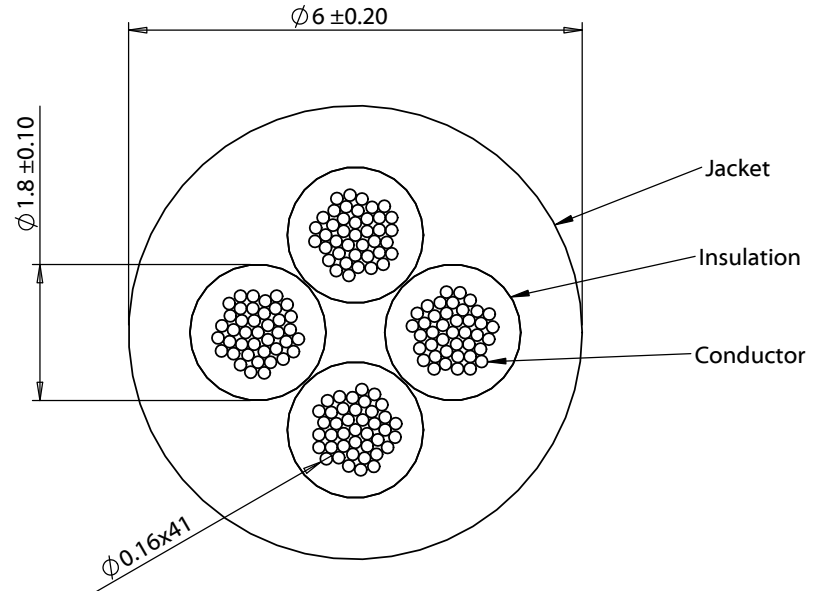
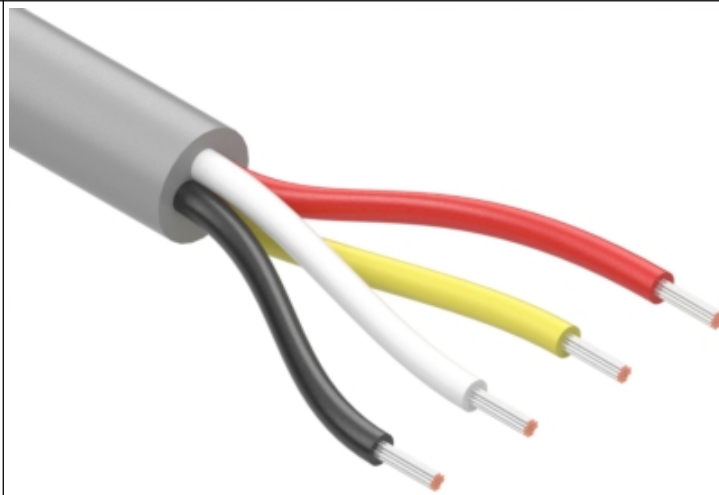
Outer jacket

Material: PVC
Color: gray
Diameter: Ø 6.0 ±0.2 mm
Nominal thickness: 0.80 mm

Wire marking: E339579 UL AWM STYLE 2464 18 AWG 80°C 300V VW-1 --- cUL AWM I/II A 80°C 300V FT1 LF 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 | 06/26/2014 | Initial release |
| A1 | 09/07/2018 | Increased operating temperature range |
| | | |
| | | |
| | | |

Prepared: **GL**
Digitally signed by GL
Date: 2018.09.07
08:44:37 -07'00'

Verified: **PS**
Digitally signed by PS
Date: 2018.09.07 11:51:02
-07'00'


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

Notes:
RoHS and REACH compliant

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

Description:
Wire, 4C TS, 18 AWG, UL2464, 300V, 80C, 6.0 mm, VW-1, PVC, gray

TENSILITY
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Size: A Part number: 30-00382
Scale: 10:1  Sheet 1 of 1