

### Ratings

Voltage: 300 V

Temperature: -25 ~ 80 °C

Flammability: VW-1

### Conductor

Conductor count: 4

Gauge: 18 AWG 0.82 mm<sup>2</sup>

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, green

Diameter: Ø 1.8 ±0.1 mm

Nominal thickness: 0.29 mm

Resistance at 20 °C: 10 MΩ /km min

### Outer jacket

Material: PVC, 80 A

Color: black

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/mm<sup>2</sup>

Jacket tensile strength: 1.05 kgf/mm<sup>2</sup>

After aging at 113 ±2 °C for 7 days:

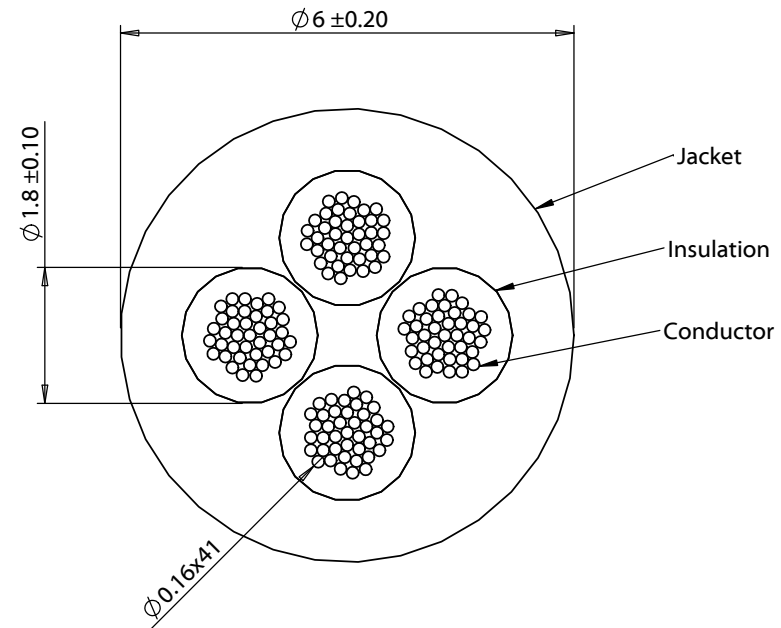
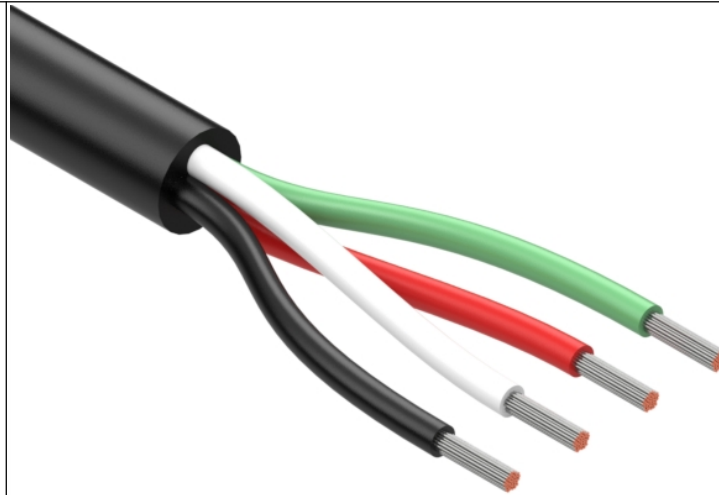
Minimum tensile strength 70 % original

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:    | Prepared:                                     | Notes:                                                                                | <div><b>TENSILITY</b></div> <div>tel 1.541.323.3228 800 877.670.7118</div> <div>fax 1.541.323.4202 web tensility.com</div> |              |              |
| A         | 10/27/2023 | Initial release | Verified:                                     | RoHS and REACH compliant<br>Function test: no open, no short circuit, no intermittent |                                                                                                                            |              |              |
|           |            |                 | Dimensions are in millimeters.<br>Tolerances: | Description:                                                                          | Size:                                                                                                                      | Part number: |              |
|           |            |                 | X: ± 0.5 mm                                   | Wire, 4C TS, 18 AWG, UL2464, 300V, 80C, 6.0 mm, VW-1, PVC                             | A                                                                                                                          | 30-03358     |              |
|           |            |                 | X.X: ± 0.3 mm                                 |                                                                                       | Scale:                                                                                                                     | 10:1         | Sheet 1 of 1 |
|           |            |                 | X.XX: ± 0.05 mm                               |                                                                                       |                                                                                                                            |              |              |

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