

Ratings

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

Conductor

Conductor count: 5
 Gauge: 20 AWG 0.52 mm²
 Material: tinned copper strands
 Strand size: Ø 0.16 mm x 26
 Resistance at 20 °C: 36.7 Ω /km max

Insulator

Material: PVC
 Color: red, black, white, yellow, blue
 Diameter: Ø 1.55 ±0.10 mm
 Nominal thickness: 0.28 mm
 Resistance at 20 °C: 10 MΩ /km min

Filler

Material: cotton rope

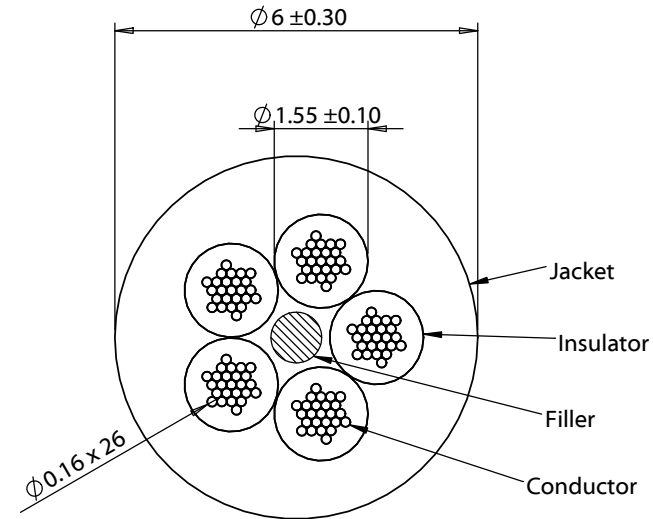
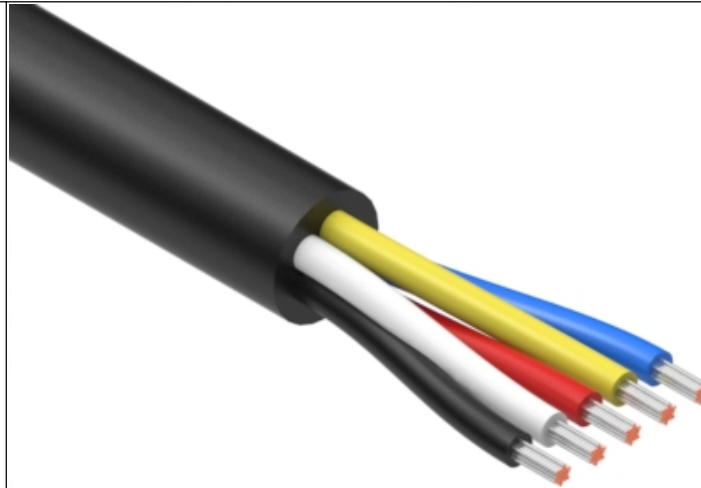
Outer jacket

Material: PVC
 Color: black
 Diameter: Ø 6 ±0.30 mm
 Nominal thickness: 0.89 mm

Wire marking: E339579 UL AWM STYLE 2464 20 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 | 5/15/2019 | Initial release |
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| Prepared: AW <small>Digitally signed by AW Date: 2019.05.15 11:44:45 -07'00'</small> |
| Verified: JP <small>Digitally signed by JP Date: 2019.05.17 08:25:11 -07'00'</small> |
| Dimensions are in millimeters. Tolerances: X: ± 0.5 mm X.X: ± 0.3 mm X.XX: ± 0.05 mm |

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| Notes: RoHS compliant |
| Function test: no open, no short circuit, no intermittent |
| Description: Wire, 5C TS, 20 AWG, UL2464, 300V, 80C, 6.0 mm, VW-1, PVC, 60P |

TENSILITY

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|------------|---------------------------------|
| Size: A | Part number: 30-01277 |
| Scale: 8:1 | Sheet 1 of 1 |

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