

Ratings
 Voltage: 150 V
 Temperature: -40~70 °C

Conductor
 Conductor count: 9
 Gauge: 20 AWG 0.51 mm²
 Material: Tinned copper strands
 Strand size: $\varnothing 0.1 \times 65$
 Resistance at 20 °C: 36.7 Ω /km max

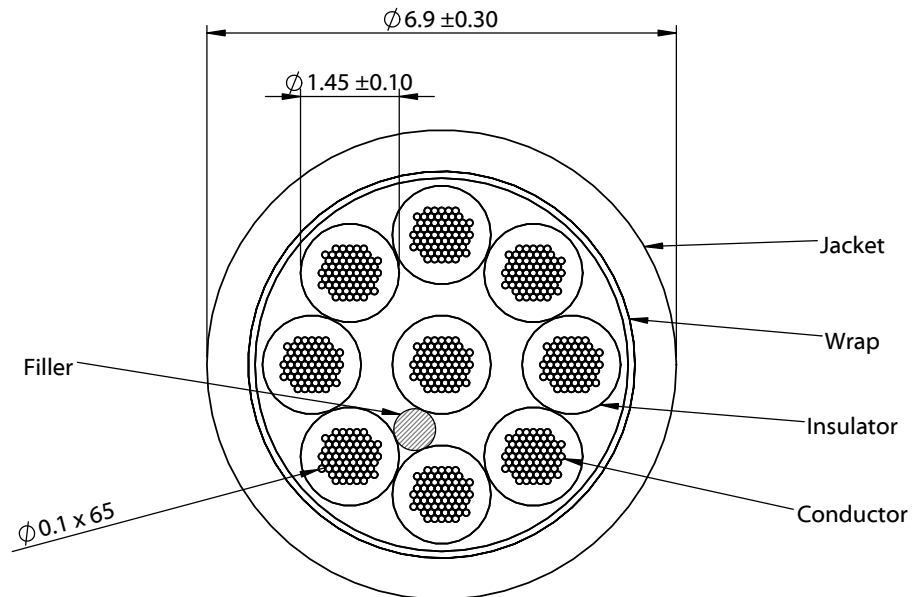
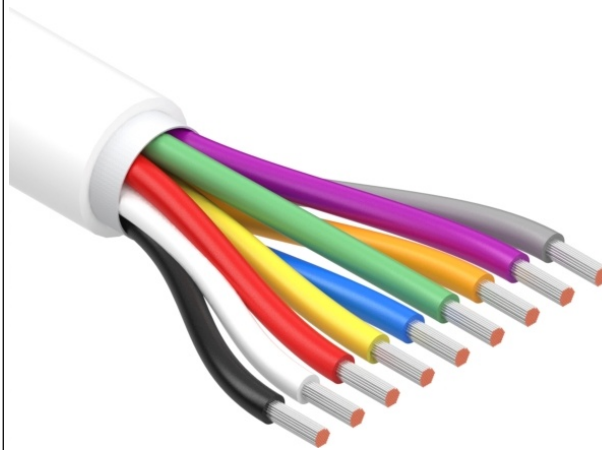
Insulator
 Material: HDPE
 Color: white, black, red, yellow, blue, green, orange, purple, gray
 Diameter: $\varnothing 1.45 \pm 0.10$ mm
 Nominal thickness: 0.24 mm
 Resistance at 20 °C: 100 M Ω /km min

Wrap
 Material: cotton paper

Filler
 Material: aramid fiber

Outer jacket
 Material: TPU
 Color: white
 Diameter: $\varnothing 6.9 \pm 0.30$ mm
 Nominal thickness: 0.70 mm

Tests
 Tensile strength: 26 kgf min
 Dielectric test: 1500 V dc for 1 minute without breakdown
 Bend test at 200 g, $\pm 60^\circ$, 30 cycles /min: 15,000 cycle minimum



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|-----------|----------|-----------------|
| Revision: | Date: | Description: |
| A | 9/7/2022 | Initial release |
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| | | |

Prepared:
PB
Digitally signed by PB
 Date: 2022.09.21
 15:29:38 -07'00'

Verified:
MP
Digitally signed by MP
 Date: 2022.09.23
 15:05:18 -07'00'

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

Notes:
 RoHS compliant
 Jacket meets ISO 10993 Biological Compatibility
 Phthalate and halogen free
 Function test: no open, no short, no intermittent

Description:
 Wire, 9C TS, 20 AWG, 150V, 70C, 6.9 mm, TPU, 75A, white, WBL

TENSILITY

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|------------|--------------|
| Size: | Part number: |
| A | 30-02831 |
| Scale: 9:1 | Sheet 1 of 1 |