

Ratings

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

Conductor

Gauge: 30 AWG 0.05 mm²
Material: tinned copper strands
Strand size: $\varnothing 0.05 \times 25$
Resistance at 20 °C: 385 Ω /km max

Insulator

Material: HDPE
Color: orange, green, blue, yellow, white, black, red
Diameter: $\varnothing 0.65 \pm 0.10$ mm
Nominal thickness: 0.15 mm
Resistance at 20 °C: 1000 M Ω /km min

Shield

Type: spiral
Material: tinned copper strands
Stranding: $\varnothing 0.08$ mm
Coverage: 90% min

Outer jacket

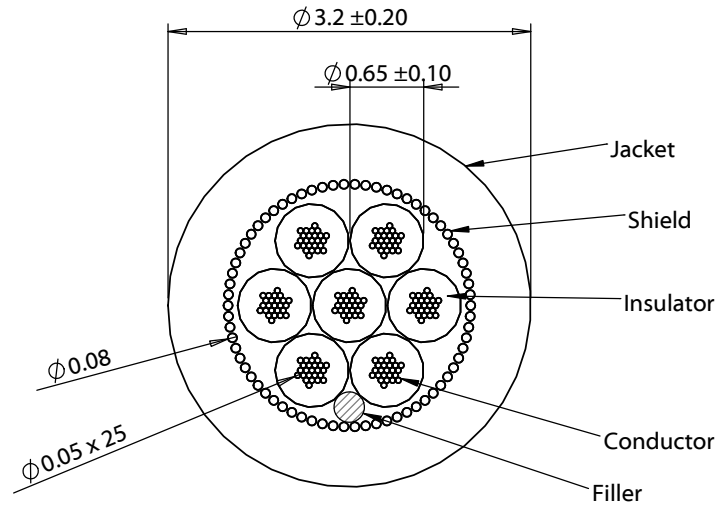
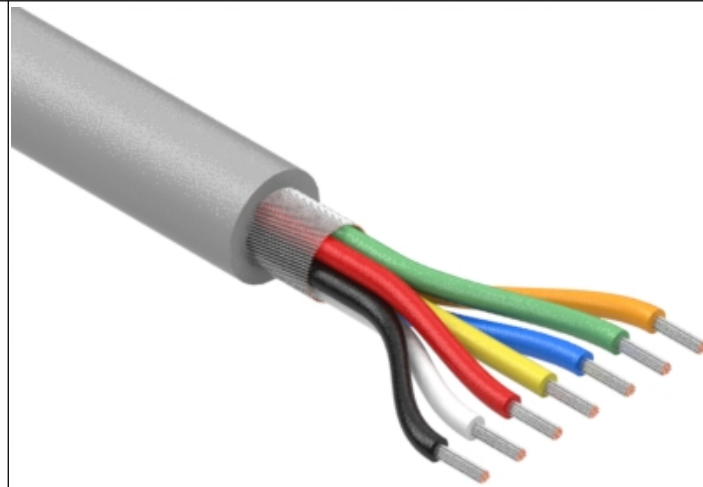
Material: TPU
Color: gray (Cool Gray 9C)
Nominal thickness: 0.50 mm
Diameter: $\varnothing 3.2 \pm 0.20$ mm

Filler:

Material: aramid fiber

Tests

Tensile strength: 25.5 kgf
Dielectric test: 1500 V dc for 1 minute without breakdown
Bend test at 200 g, $\pm 90^\circ$, 30 cycles /min: 10,000 cycle minimum



| Revision: | Date: | Description: |
|-----------|------------|---|
| A | 10/10/2018 | Initial release |
| A1 | 1/18/2019 | Changed filler material to generic name |
| | | |
| | | |
| | | |

Prepared: **PS**
Digitally signed by PS
Date: 2019.07.03
15:44:49 -0700'

Verified: **GL**
Digitally signed by GL
Date: 2019.07.03
16:41:58 -0700'

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, 7C TS, 30 AWG, 150V, 70C, 3.2 mm, shielded, TPU, 75A, gray, WBL

TENSILITY

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Size: A Part number: 30-01161

Scale: 15:1 Sheet 1 of 1