

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

Conductor
 Conductor count: 7
 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

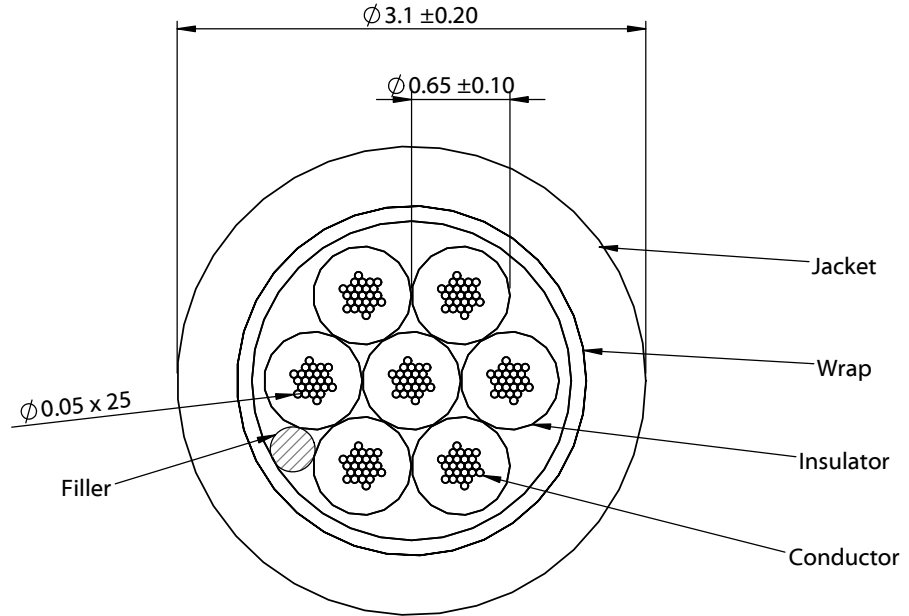
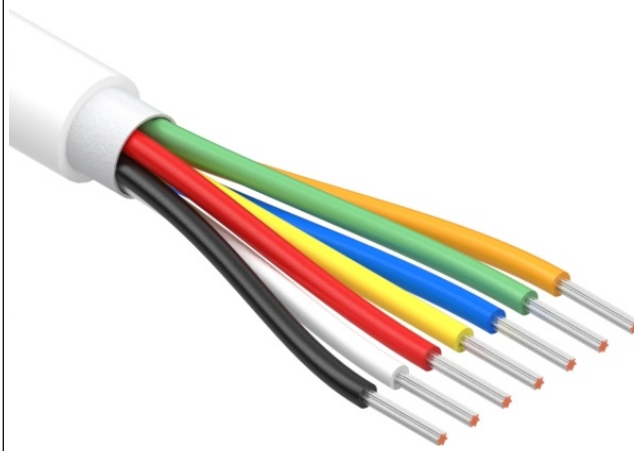
Insulator
 Material: HDPE
 Color: white, black, red, yellow, blue, green, orange
 Diameter: $\varnothing 0.65 \pm 0.10$ mm
 Nominal thickness: 0.18 mm
 Resistance at 20 °C: 100 M Ω /km min

Wrap
 Material: cotton paper

Filler
 Material: aramid fiber

Outer jacket
 Material: TPU
 Color: white
 Diameter: $\varnothing 3.1 \pm 0.20$ mm
 Nominal thickness: 0.50 mm

Tests
 Tensile strength: 15 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



Revision:	Date:	Description:
A	8/23/2022	Initial release

Prepared: **PB**
Digitally signed by PB
 Date: 2022.09.21 14:47:17 -07'00'

Verified: **JD**
Digitally signed by JD
 Date: 2022.09.21 16:13:20 -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, 7C TS, 30 AWG, 150V, 70C, 3.1 mm, TPU, 75A, white, WBL

TENSILITY
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Size: A Part number: 30-02820
 Scale: 20:1 Sheet 1 of 1