

Ratings

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

Conductor

Gauge: 32 AWG, 0.039 mm²
 Material: tinned copper strands
 Stranding: $\phi 0.05 \times 19$
 Resistance at 20 °C: 590 Ω /km

Insulator

Material: HDPE
 Color: black, white, yellow, red
 Outer diameter: $\phi 0.55 \pm 0.05$ mm
 Nominal thickness: 0.15 mm
 Resistance at 20 °C: 1000 M Ω /km

Shield

Type: spiral
 Material: tinned copper strands
 Strand size: $\phi 0.08$ mm
 Coverage: 90 % minimum

Outer jacket

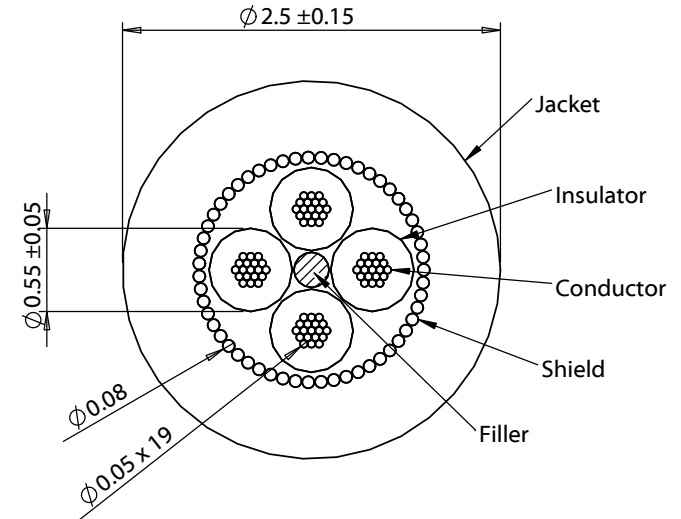
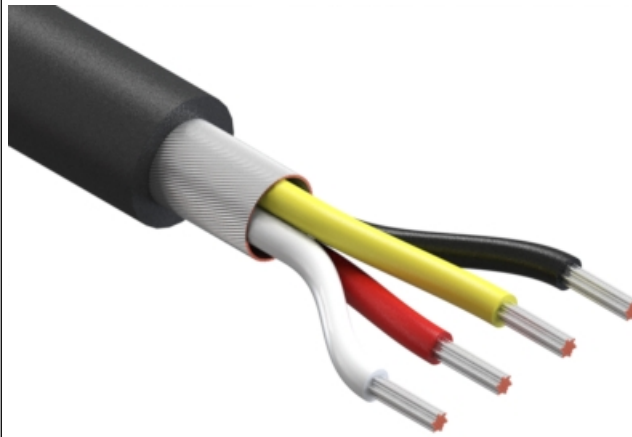
Material: TPU, 70 °C
 Color: black
 Nominal thickness: 0.50 mm
 Diameter: $\phi 2.5 \pm 0.15$ mm

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	7/31/2015	Initial release
A1	1/13/2016	Updated notes, corrected tolerances
A2	1/17/2019	Changed filler material to generic name

PREPARED:
 VERIFIED:
 DIMENSIONS ARE IN MILLIMETERS
 TOLERANCES:
 X: ± 0.5 mm
 X.X: ± 0.3 mm
 X.XX: ± 0.05 mm

NOTES
 RoHS and REACH compliant
 Jacket meets ISO 10993 Biological Compatibility
 Phthalate and halogen free
 Function test: no open, no short, no intermittent
 DESCRIPTION:
 Wire, 4C TS, 32 AWG, 150V, 70C, 2.5 mm, spiral shield, TPU

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SIZE	PART NUMBER
A	30-00490

SCALE: 20:1 SHEET 1 OF 1